AGREEMENT

BETWEEN

THE CITY OF MANCHESTER, NEW HAMPSHIRE

AND THE

MANCHESTER PROFESSIONAL FIREFIGHTERS ASSOCIATION,

LOCAL 856,

INTERNATIONAL ASSOCIATION OF FIREFIGHTERS

FOR THE PERIOD COVERING JULY 1, 2010 TO JUNE 30, 2013

INTERNATIONAL ASSOCIATION OF FIRE FIGHTERS

7-1-10 TO 6-30-13

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AGREEMENT

BETWEEN

THE CITY OF MANCHESTER

AND THE

MANCHESTER PROFESSIONAL FIREFIGHTERS ASSOCIATION, LOCAL 856,

INTERNATIONAL ASSOCIATION OF FIREFIGHTERS, A.F.L.-C.I.O.

The City of Manchester (hereinafter referred to as the "City") and the Manchester Professional Firefighters Association, Local 856, International Association of Firefighters, A.F.L.-C.I.O. (hereinafter referred to as the "Association") agree as follows:

ARTICLE 1 GENERAL

1.1 The purposes of this agreement are to increase general efficiency in the Manchester Fire Department (hereinafter referred to as the "Department"), to maintain harmonious relationships between the Department and its employees and to promote the morale, welfare, rights and well-being of the employees of the Department. All provisions of this agreement are to be construed so as to effectuate these purposes.

ARTICLE 2 RECOGNITION

- 2.1 The City hereby recognizes the Association as the exclusive representative and sole bargaining agent, for the purpose of collective negotiations, for all regular Fire Department employees with the classifications of Firefighter, Fire Lieutenant, Fire Captain, Emergency Services Dispatcher (Fire), Emergency Communications Supervisor (Fire), Electronic Systems Technician I and II, Fire Prevention Inspector I and II, Fire Training Instructor, Equipment Mechanic II and excluding all other Fire Department employees and personnel.
- 2.2 It is specifically agreed by the parties hereto that this agreement shall apply only to such regular Fire Department employees who are within the classifications of Firefighter, Fire Lieutenant, Fire Captain, Emergency Services Dispatcher (Fire), Emergency Communications Supervisor (Fire), Electronic Systems Technician I and II, Fire Prevention Inspector I and II, Fire Training Instructor, and Equipment Mechanic II.
- It is further agreed that if at any time in the future the City establishes a Centralized Garage operation which includes the maintenance and repair of Fire Department equipment the position of Equipment Mechanic II may be transferred to the Centralized Garage without grievance. The incumbents in the positions at the time of such transfer shall retain their current retirement rights and, if promoted through the Firefighter ranks, the right to revert to their former classification status.

ARTICLE 3 MANAGEMENT RIGHTS

- Except as otherwise specifically provided herein, the 3.1 management of the Fire Department in all its phases and details shall remain vested exclusively in the Department. The Department shall have all jurisdiction over all matters concerning management of the Department, including, but not limited to: the direction of the work force, the establishment of proper rules and regulations, the right to hire, suspend, discipline or discharge for proper cause, relieving employees from duty for lack of work or funds, the right to decide job qualifications under the City Classification and Compensation Plan, the right to abolish positions, the right to determine schedules of work, the right to determine the methods, processes and manner of performing work and the general control of all of the operations of the Fire Department. It is agreed that these enumerations of management rights shall not be deemed to exclude other proper management rights not specifically herein enumerated.
- <u>3.2</u> The Department, in exercising these functions, will not discriminate against any employee because of his or her membership in the Association.
- $\underline{3.3}$ The right of any public agency or private individual(s) or business(es), other than the Manchester Fire Department, to contract for work of the nature ordinarily performed by the Manchester Fire Department, shall not be affected by this agreement.
- 3.4 The Department shall give consideration to, but shall not be bound by the recommendations of the Insurance Service Organization as to standards in determining the number and types of equipment and the personnel requirements necessary to effectively operate the Department.
- <u>3.5</u> The Department and the Association agree not to discriminate in any way against employees covered by this Agreement on account of religion, race, creed, color, national

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ARTICLE 3 MANAGEMENT RIGHTS (CONTINUED)

origin, sex, age or physical handicap, except where age or physical condition are bona fide qualifications for employment.

ARTICLE 4 RIGHTS AND DUTIES OF ASSOCIATION MEMBERSHIP

- 4.1 The Department agrees that there shall be no discrimination, interference, restraint or coercion against any employee because of membership in the Association, or because of presenting a grievance, or against any employee who may represent others in the discharge of his/her duties as a member of any committee of the Association.
- $\underline{4.2}$ The Association agrees for itself and its members to perform loyal and efficient work and service, and to use its best efforts to promote and advance the interest of the Fire Department.
- $\underline{\mathbf{4.3}}$ The Association agrees that it will not interfere with the rights of any or all non-members employed by the Fire Department.

ARTICLE 5 DUES DEDUCTION

- 5.1 Upon individually written authorization by the Association member and approved by the Association President, the City agrees to deduct from the pay of each Association member so authorized the current Association dues, as certified to the City by the Treasurer of the Association, and deliver the same to the Association Treasurer. Dues payments shall be transmitted weekly to the Association's depository, provided such weekly transmittal is approved by the Finance Director and does not incur a substantial increase in the City's costs of processing such payments. Said deduction shall be made weekly. However, if a member has no check coming to him/her or the check is not large enough to satisfy the assignments, then and in that event no collection will be made from said member for that week.
- <u>5.2</u> Probationer employees who are serving their initial probation periods may have Association dues deducted if requested on the authorization forms, provided the Association informs the probationer in writing, with a copy to the Department, that such probationer is not covered under the Association Agreement except for those Articles which do in effect cover them and is not represented by the Association under the grievance procedure in the event of disciplinary action or termination of employment during the probation period.

ARTICLE 6 MAINTENANCE OF MEMBERSHIP

- Each member of the bargaining unit who, on the effective date of this Agreement, is a member of the Association and each employee who becomes a member of the bargaining unit and the Association after that date shall continue his/her membership in the Association during the duration of this Agreement; provided, however, that an employee may at his/her discretion, and in writing, with a copy to the Department, withdraw his/her membership from the Association within twenty (20) calendar days prior to the anniversary date thereafter.
- Effective upon the date of ratification of this Agreement any present or future member of the bargaining unit, including probationers, who is not a member of the Association shall pay the Association an amount equal to the monthly Association dues as provided for in Article 5.
- Should there be a dispute between an employee and the Association over the matter of an employee's Association membership or the payment of dues under Sections 6.1 and 6.2 above, the Association agrees to hold the City harmless in any such dispute.

ARTICLE 7 STRIKES AND LOCKOUTS PROHIBITED

- 7.1 Under no circumstances will the Association cause, encourage, sponsor or participate in any strike, sit-down, stayin, stay-out, sick-in, sick-out, work slowdowns, picketing or patrolling of any kind, multiple resignations, withholding of services or any curtailment of work or restriction or interference with the operations of the Fire Department or the City of Manchester during the term of this agreement. In the event of any such activity, neither the Department nor the City shall be required to negotiate on the merits of the dispute which gave rise to such activity until any and all such activity has ceased.
- 7.2 Should any employee or group of employees covered by this agreement engage in any activity prohibited by Section 7.1 above, the Association shall forthwith disavow any such activity and shall take all reasonable means to induce such employee or group of employees to terminate such activity forthwith, including but not limited to any and all disciplinary measures which may be taken pursuant to the Association's Constitution and By-Laws as from time to time amended.

ARTICLE 8 SENIORITY LISTS

- 8.1 The Department shall establish a Seniority List of all Fire Department employees in the bargaining unit, and it shall be brought up to date by January 5th and July 5th of each year and immediately posted thereafter on the Central Fire Station and sub-station bulletin boards for a period of not less than thirty (30) days, and a copy of the same mailed to the Association Secretary. Any objection to the Seniority List as posted shall be reported to the Department within fifteen (15) days from the date said list is posted, or will stand approved.
- <u>8.2</u> The Department agrees to allow a reasonable number of Union representatives to meet with newly appointed Firefighters to discuss the Union, such meeting to take place at the time of the swearing-in ceremony.
- 8.3 The Department agrees to notify the Union of newly hired employees five $\{5\}$ days prior to the swearing in ceremony.

ARTICLE 9 PROMOTIONS

- The Department shall provide for promotions to or from positions either presently included within this Agreement or which may in the future be included in this Agreement, which shall give appropriate consideration to the applicant's qualifications, record of performance, seniority and conduct. The Department shall provide for competitive examinations, which shall combination of written and performance or command evaluation tests as a prerequisite to promotion to any position in the Fire Department covered by this contract. Such tests shall be based as nearly as possible on the normal operating procedures of the Department and on knowledge of equipment actually in use in the Department and on manuals and publications mutually agreed to by the Department and the Association. Candidates shall be notified of such examinations at least ninety (90) calendar days in advance of the date fixed for the examination. The Department and the Association shall mutually agree on the examiner for promotional examinations, provided the Association pays one-half of the cost of the examinations.
- 9.2 (A) The competitive examinations shall be given in two (2) parts, as follows, each part consisting of fifty percent (50%) of the total score:
 - (a) Written
 - (b) Performance or command evaluation.
- (B) The examination scores of all applicants shall be based upon one hundred (100) points, divided into parts as above indicated.
- 9.3 The Department shall establish eligibility lists for promotion to each position, upon which shall include the names of successful candidates in the order of their relative excellence in the respective examinations.

In the event two or more candidates shall have identical final scores on the examination, including seniority points as

ARTICLE 9 PROMOTIONS (CONTINUED)

contained in Section 9.4 of this Article, a system for breaking such tie scores shall be established. The candidate who stands highest on the seniority list shall be placed above other candidates with the same final score.

- <u>9.4</u> Each candidate who has achieved a passing score of at least seventy percent (70%) in the examination shall have added to his/her examination score, which shall be based on one hundred (100) points, one-quarter (1/4) point for each completed year of service from the sixth (6th) year through the tenth (10th) year, one-half (1/2) point for each completed year of service from the eleventh (11th) year through the fifteenth (15th) year, and three quarters (3/4) point for each completed year of service beyond the fifteenth (15th) year, all as of January One of the year in which the examination is given.
- 9.5 A Firefighter shall not be eligible for examination for promotion to Lieutenant until he/she shall have completed seven (7) years of actual service in the Manchester Fire Department as of January One of the year in which the examination is given. Eligibility for examination for promotion to the rank of Fire Captain shall require three (3) completed years of actual service in the Manchester Fire Department in the rank of Fire Lieutenant as of January One of the year in which the examination is given. Eligibility for promotion to all other ranks or pay grades in the bargaining unit shall be as provided by the Job Specifications currently in effect pursuant to the Code of Ordinances of the City of Manchester.
- given, however, that if fewer than five (5) names remain on an established eligibility list, the Department may establish a new eligibility list by giving an examination in accordance with this Article, provided further, however, that the four or less successful candidates whose names appear on the existing list shall retain their order as established by said existing list for the purpose of promotion for the balance of the two year period

ARTICLE 9 PROMOTIONS (CONTINUED)

for the existing list. Nothing in the preceding sentence shall prevent the four or less successful candidates whose names remain on the existing list from taking any such new examination and upon the expiration of the two (2) year period for said existing list, said candidate (or candidates) name shall be placed on the new eligibility list in the order of his/her (or their) relative excellence in the new examination.

Eligibility lists for Fire Lieutenant and Fire Captain will continue in effect for two (2) years from the posting date. The next eligibility list for Fire Lieutenant and Fire Captain will be posted after the expiration of the current list and expire on June 30 of the second year of posting. If a test is given due to four or fewer candidates, the list will last until June 30 of the second year.

<u>9.7</u> The Department shall promote only a person standing among the highest five (5) on the appropriate eligible list for a vacancy. If a person on an eligibility list is demoted, his/her name shall be removed from said list. If a person on an eligibility list is suspended, his/her name shall be removed from said list during the period of suspension. At the end of such person's suspension, his/her name shall be put back on the eligibility list from which it was removed (if such list is still in existence) in the order of his/her relative excellence in the examination.

ARTICLE 10 PERSONNEL REDUCTION

- 10.1 [a] If the Department decides to reduce the Fire Department personnel covered by this Agreement, the employee with the least seniority, regardless of rank, in the Bargaining Unit shall be laid off first and re-hired in the inverse order of layoff. No new employees shall be hired until all employees who have been laid off for [fifteen (15) months or less have been given an opportunity to return to work.
- [b] The Department shall have the right to layoff by technically based craft and trade classifications {dispatchers are not classified as a technically based craft or trade position} by classification on the basis of total seniority. Those individuals will be allowed to bump into other classifications for which they are qualified.
- [c] Probationary employees serving an initial probation period shall be laid off before any permanent employee is laid off.
- 10.2 An employee in the Bargaining Unit in a higher classification whose position is abolished shall have the right to replace an employee in the next lower classification for which he/she is qualified and provided he/she has greater departmental seniority. Such replaced person shall have similar replacement rights.
- 10.3 Employees who are laid off shall have recall rights in the inverse order of the layoff; that is, the last person laid off shall have first right to recall if he/she has the qualifications for the job to be performed.

Employees shall have recall rights for a period of fifteen (15) months from the date laid off.

Employees who are laid off shall be responsible for notifying the Human Resources Department of any change of address.

ARTICLE 10 - PERSONNEL REDUCTION (CONTINUED)

- 10.4 When a vacancy occurs for which the laid off employee is qualified then he/she shall be notified by certified mail at his/her last known address to contact the Department. The employee shall have fifteen (15) calendar days from the date of notification to be available to return to work.
- If the employee does not reply to the notification within fifteen (15) calendar days then such employee's name shall be removed from the recall list and no further consideration shall be given to the recall of said employee.
- If the employee contacts the Department within the fifteen (15) calendar days but is not able to report to work, due to health, physical or other sound reasons then such employee shall be passed over for the immediate recall, but shall remain on the list for future recall within the agreed to fifteen (15) month period.
- 10.5 During the time an employee is laid off he/she shall retain seniority rights and shall continue to accrue departmental seniority, but shall not accrue any other benefits during the time of layoff. Such accrual of seniority rights shall not extend beyond fifteen (15) months from the date the employee was laid off.
- 10.6 In the event an employee in a higher classification replaces an employee in a lower classification and pay grade as a result of a layoff, then such employee shall be reduced in pay to the same pay step in the lower classification salary range as was held before the reduction to the lower classification.
- 10.7 In the event an employee is involuntarily displaced, not for cause, in order to provide an authorized position for an employee who is returning to work after an absence such as military leave, suspension or a return to work order, the employee

ARTICLE 10 - PERSONNEL REDUCTION (CONTINUED)

with the least seniority in the affected classification shall be placed in the next lowest position for which he/she qualifies.

Such employee shall receive the rate in the lower range which provides the smallest possible decrease in pay.

An employee displaced pursuant to this section, shall be restored to the next available vacant position in the higher classification unless the employee has been disciplined pursuant to Article 24.1, Step 2. For advancement in the pay range, the employee shall be assigned the date of his/her original promotion.

WORK WEEK AND EXTRA DUTY DAYS

- 11.1(A) The average work week for Firefighters, Fire Lieutenants and Fire Captains will be 42 hours per week. Work schedules will be on a 24-hour system (24 hours on 72 hours off, starting at 0800 hrs.) Each 24-hour work period shall be called a "shift". Each shift shall be divided into one 10-hour day work period and one 14-hour night work period. Each work period shall be called a "unit" and it shall take two (2) units to make up one 24 hour shift.
- 11.1(B) The Fire Prevention Inspector I and II, and Electronic Systems Technician I and II shall work a 40 hour week comprised of four (4) ten (10) hour days.
- 11.1(C) The work week for the position of the Fire Training Instructor, will be forty (40) hours per week, five (5) eight (8) hour days.

The work week for current members may be changed by mutual agreement between the Department and the Association.

- 11.1(D) The work week for Emergency Communications Dispatchers Fire shall be as stated in Article 39.2.
- 11.1(E) The work week for Equipment Mechanic II, will be forty (40) hours per week, five (5) eight (8) hour days.
- 11.2 Employees in the Bargaining Unit shall be paid 1 and ¼ of a normal week's pay paid prior to the end of the calendar year for extra duty. Time spent on multiple alarms and other extra duty assignments shall not be included under Section 11.3 for purposes of computing overtime.

If an employee is actually notified of a multiple alarm and fails to respond to such multiple alarm then the Department may exercise appropriate disciplinary action unless the employee can show good and sufficient cause for not responding.

ARTICLE 11 WORK WEEK AND EXTRA DUTY DAYS (CONTINUED)

It is specifically agreed and understood by the parties hereto that in the event any federal or state legislation may require the payment of overtime compensation, the parties shall meet to negotiate the matter of payment for multiple alarm days and overtime compensation so there shall be no duplication of compensation for any work performed. The question of whether or not there is "duplication of compensation" as used in the preceding sentence shall be negotiated under the provisions of this paragraph. Notwithstanding any negotiations pursuant to this paragraph, all other provisions of this Agreement shall remain in full force and effect and the parties shall continue to be bound thereby.

11.3 Payment for Overtime Duty

Except as provided for in Section 11.2 above, employees who work additional hours shall be compensated by the payment of one and one half (1 1/2) times their regular hourly rates for hours worked. Overtime coverage for shifts shall be split into one (1) ten-hour (10) day unit and one (1) fourteen-hour (14) night unit. Distribution of overtime to cover a 24-hour shift shall follow the current procedure as listed herein with the following exceptions:

- (a) The first employee listed in the overtime book shall be offered the opportunity to work either unit of the 24hour shift.
- (b) When either unit of the 24-hour shift has been filled, the remaining unit shall be filled by offering the overtime opportunity to the next employee listed at the top of the overtime book.
- 11.4 (a) Unassigned members shall be assigned a phantom work number (for payroll purposes only) for each eight week cycle. They shall work the hours actually scheduled by the department for each week of the cycle but shall be paid according to Article 11.3 for

ARTICLE 11 WORK WEEK AND EXTRA DUTY DAYS (CONTINUED)

any hours worked over their scheduled hours in any week; provided, however, that the department may if it wishes, upon twenty-four hours notice, schedule one additional twenty-four hour shift during any week in which the member actually works less hours than called for by his/her phantom work number.

- (b) Any member transferred during the regular eight week cycle shall retain the assigned work number (for payroll purposes only) until the end of the cycle.
- $\underline{11.5}$ Any employee who volunteers and are hired to teach classes during their on duty time shall be compensated at their hourly rate plus one-half (1/2) their hourly rate per hour for any time spent teaching. Teaching off duty shall be compensated according to Article 11.
- 11.6 If additional personnel are needed for a hazardous material incident, qualified hazardous material technicians shall be called back. They shall be called from a list, on a rotating basis. Participation shall be on a volunteer basis and those who volunteer to come back shall be paid a minimum of three (3) hours according to Article 11.3.
- 11.7 The department may temporarily transfer to the Training Division, members who volunteer and are informed in advance of their work assignment and schedule. Members so transferred shall be paid an additional ten-percent (10%) of their regular pay. They shall work a forty (40) hour work week and be paid overtime in accordance with Article 11.3c.
- 11.8 In the event the Department is going to hire an off duty Firefighter within a fire company and is unable to do so after having called all available personnel with the rank of Firefighter within that company, the Department agrees to offer the overtime shift to the officers (Captain and Lieutenants) within the company before the overtime shift is offered to any personnel outside of that company.

ARTICLE 11 WORK WEEK AND EXTRA DUTY DAYS (CONTINUED)

Employees who are called to appear in court on Department related issues, shall be compensated at one and one half $(1\ 1/2)$ times their regular rate of pay for time spent in court with a minimum of four (4) hours.

- 11.10 Shift Exchange. Members of the bargaining unit shall be granted the opportunity to exchange days off with respect to any work shift or part thereof for which the member is able to secure another employee to work in the member's place, provided:
 - a. Such substitution does not impose any additional cost to the City;
 - b. Such substitution is between employees who qualify for the position being swapped;
 - c. The repayment of exchanges and the filling of the shift shall be strictly the responsibility of the employees involved.

It is understood that the City shall not incur any additional responsibility as a result of this provision and it is not subject to the overtime provisions of this Agreement.

The parties agree that the standard shift shall be 24-hours. Nothing in this agreement is intended to allow the creation of two systems or a dual system of shifts by individual swapping. Management reserves the right to supervise and disapprove swapping of shifts or units of shifts when abuses occur.

ARTICLE 12 SALARIES

12.1 Effective July 1, 2010, the Salary Schedules shall be increased by one and one half percent (1.5%)

Effective July 1, 2011, the Salary Schedules shall be increased by two and one half percent (2.5%)

Effective July 1, 2012, the Salary Schedules shall be increased by two and one half percent (2.5%)

- 12.2 Employees will receive a step increase on their anniversary date of current position. This step increase will be subject to a satisfactory performance evaluation. An incomplete evaluation will be considered a satisfactory performance evaluation. This process may be changed at any time by mutual agreement. Evaluation step increases will stop when an employee reaches Step 13 on the included pay matrix.
- 12.3 Employee appeals on their annual performance evaluation will be according to the process mutually agreed to by the Union and the City. SEE APPENDIX C.
- 12.4 The longevity waiting periods for employees shall be 5-10-15-20-25-30-35-40 and 45 years of service. An increase of three percent (3%) will take effect on the employee's anniversary date of employment.
- 12.5 Employees being promoted from one grade to a higher grade shall be placed on step which will provide for a minimum of a ten percent (10%) increase in salary.

ARTICLE 12 SALARIES (CONTINUED)

12.6 Employees who have attained the requirements for the achievement grade associated with their positions will be placed on the corresponding step on the achievement grade in accordance with the provisions of Appendix B, attached and made part of this agreement.

Classification Title		Grade
	_	
Equipment Mechanic II	18	
Emergency Services Dispatcher (Fire)	15	
Emergency Communications Supervisor (Fire)	18	
Electronic Systems Technician I		
Electronic Systems Technician II		
*Firefighter		
*Fire Lieutenant		
*Fire Captain		
Fire Prevention Inspector I	19	
Fire Prevention Inspector II		
Fire Training Instructor	23	

Note: Pay matrix represents a forty-hour workweek.

^{*} These positions have a work week of 42 hours and their pay will be adjusted by a factor of 1.05.

ARTICLE 13 STANDBY PAY

- 13.1 Standby Pay for the positions of Equipment Mechanic II, Electronics Systems Technician I and II, Fire Prevention Inspector I and II, will be \$135.00 per week for a full seven calendar days of Standby, in accordance with the policies now in effect and in accordance with the following schedule:
- (a) All Standby pay shall be compensated at \$5.0625 per hour as defined below:
- (b) Two and one third $(2\ 1/3)$ hours of Standby pay for Monday, Tuesday, Wednesday and Thursday.
- (c) Three and one third $(3\ 1/3)$ hours of Standby pay for Friday.
- (d) Seven (7) hours of Standby pay for Saturday, Sunday or a Holiday.
- (e) Compensate employees at three and one third (3 1/3) hours of Standby pay for Monday, Tuesday, Wednesday, or Thursday if such day precedes a Holiday.
- 13.2 Employees who are on Standby and who are called into work and who work longer than sixteen (16) consecutive hours shall be paid at double their regular hourly rate for each hour worked beyond sixteen (16) consecutive hours.
- 13.3 If an employee who is on Standby and is called into work on a Sunday then such Sunday work will be paid at double the employee's regular hourly rate if any other employee is working on Sunday at a double time rate; the exception to this being those employees who are paid at a double time rate for hours worked beyond sixteen (16) consecutive hours.
- 13.4 Payment of time and one half for callback shall not be affected by hours worked in a week.
- 13.5 Electronics Systems Technician I and II shall be on standby no more than 20 weeks per year; the schedule to be established by the Department.

ARTICLE 14 HOLIDAYS

- 14.1 Compensation for Holidays shall be paid as provided in the City of Manchester, NH Code of Ordinances, Section 33.075. In addition, whenever additional days are proclaimed as Holidays for municipal employees by the Board of Mayor and Aldermen, Department employees covered under this contract shall be paid for such holidays.
- 14.2 Holiday pay for each Holiday shall be computed at one forth (1/4) of a normal week's pay. The Holidays are New Year's Day, Civil Rights Day, President's Day, Memorial Day, Independence Day, Labor Day, Columbus Day, Veteran's Day, Election Day, Thanksgiving and Christmas.

ARTICLE 15 SICK LEAVE

- 15.1 All permanent department employees are entitled to sick leave credit at the rate of one and one-quarter (1 1/4) working days with pay for each completed month of service.
- 15.2 Sick leave credit may be accumulated up to a maximum of one hundred and twenty (120) days. Sick leave may be taken in units.
- 15.3 When a member of the Bargaining Unit terminates his/her employment with the City of Manchester due to death, paid retirement or duty disability retirement, all accrued sick leave up to a maximum of eighty (80) days (sixteen) weeks shall be payable to the employee or the designated beneficiary.

Said payment shall be computed by multiplying the number of unused accumulated sick leave day's time's one-fifth (1/5) of said employee's regular week's pay.

Effective upon the date of ratification of this Agreement, such payment for accrued sick leave shall not exceed eighty (80) days regular pay plus payment of one-quarter of the balance of the days accrued over eighty (80) but not more than one hundred twenty (120) days of accrued sick leave at their regular pay.

The Fire Department's light duty system shall not be applied in an arbitrary or capricious manner.

15.5 Family Medical Leave

Employees in the bargaining unit are entitled to rights under the Family Medical Leave Act. Employees are subject to the conditions and policies as set forth in the City's Family Medical Leave Policy provided that when paid leave (of any type) is used under circumstances permitted by these regulations, for

ARTICLE 15 SICK LEAVE (CONTINUED)

him/herself, the employee shall be required to only meet the Department's requirement provided for that kind of leave.

When an employee seeks leave to care for other persons authorized under the Family Medical Leave Act, the employee shall comply with the requirements of the City's FMLA policy including medical certification.

ARTICLE 16 SICK LEAVE BANK

- 16.1 The Sick Leave Bank which became effective January 1, 1976 and as amended January 1, 1977, shall continue in effect during the term of this agreement. All Rules and Regulations adopted to administer the Sick Leave Bank shall continue in effect during the term of this agreement, provided, however, such Rules and Regulations may be amended from time to time as mutually agreed upon by the signatures to this agreement.
- 16.2 The following Rules and Regulations, in effect as of the signing of this agreement, are hereby incorporated:

A voluntary Sick Leave Bank, to cover Fire Department Personnel in the event of long-termed disability due to illness or non-service connected injury, is hereby established. The operation of such Sick Leave Bank shall be subject to the rules and quidelines set forth in this Article.

The purpose of the Sick Leave Bank is to provide relief to employees who suffer long-term illness or injuries which are non-job-connected. It is established to provide additional paid benefit days beyond the employee's accrued days when an employee has exhausted his/her accrued sick leave and continues disabled for an additional thirty days. For example, it is not established to provide relief for one or two days beyond the employee's accrued sick leave.

SECTION 1 ADMINISTRATION

The Sick Leave Bank shall be administered by five (5) members of the department, two to be appointed by the Union President, one by the District Fire Chiefs and two by the Fire Chief and shall hereinafter be called the Administrative Committee or the Committee. Committee members shall be appointed in the following manner: One for one year; one for two years; and one for three years and upon expiration of each of these terms, one member

shall be appointed each year to serve a term of three years. Vacancies, when they occur, shall be filled by appointment in the same manner as the original appointments and shall be for the entire remaining term so filled.

The original appointee of the Fire Chief shall be for a one year term and subsequent appointments shall be for three year terms.

The Committee shall select one of its members as Chairman, by a majority vote, at the first meeting in January of each year, who shall serve a one year term.

The Committee shall meet upon the second Wednesday of each month. Three members present shall constitute a quorum and a majority of those members present and voting shall decide all questions. Members who are absent for either three (3) consecutive meetings or any six (6) meetings in any 12 month period shall be automatically terminated from the Committee and their terms declared vacant.

SECTION 2 MEMBERSHIP

Each member of the Manchester Fire Department desiring to be covered by the Sick Leave Bank agrees to donate one (1) day per year from his/her accumulated number of sick leave days and an adjustment of minus one (1) day shall be made on all records showing the applicant's accumulated sick leave days upon his/her acceptance as a member of the bank and for each day donated thereafter. Application for membership shall be made on a form provided by the Committee. Membership by all employees will be subject to the following restrictions:

- (a) Probationary employees will be admitted to membership providing they shall have fulfilled the requirements set forth in Article 15, Section 1, of this Agreement.
- (b) Full-time employees having less than 30% of their accumulated sick leave day's limit as of the date of their

application shall be limited in the extent of their participation in the bank. Members who fall below the 30% restriction during the period of membership, except for long periods of illness or injury, shall be placed in the limited category. Full-time

employees, except those with less than one year of service with the department, shall have not less than 15 days of accrued sick leave as of the date of their application for membership. An employee whose sick leave balance falls below 15 days of accrual due to recent illness or injury may be admitted at the discretion of the Committee.

Employees whose sick leave falls below 15 days after they are admitted to the Sick Leave Bank, where the usage of sick leave was not the result of extended illness or injury, shall have their membership status reviewed by the Committee. The Committee may temporarily suspend the employee from membership in the Bank if it deems such action to be in the best interest of the Bank.

Employees who have less than one year of service may be admitted to the Bank upon the majority vote of the Committee after a review is made of their status with the Department. Upon admission to membership the conditions stated in the preceding paragraphs will apply.

Computations for determining the 30% limit, referred to above, shall be based on 120 days accumulation or by multiplying 1.25 times (X) the number of months service if less than 48 months, whichever shall apply. This restriction shall be removed as soon as the employee's accumulated sick leave days shall exceed 30% of his/her limit. Exceptions from this restriction may be made for good cause by the Committee with the concurrence of the Chief of Department.

SECTION 3 BENEFITS

A member shall become eligible to request extended sick leave benefits from the Bank for an incapacitating illness or non-service connected injury, provided he/she has exhausted all

his/her accrued sick leave and his/her incapacitation extends at least 15 consecutive calendar days beyond the exhaustion of his/her sick leave accrual or at the discretion of the Administrative Committee. Upon presentation of satisfactory medical evidence of illness or injury to the Administrative Committee, the Committee may approve sick leave benefits days from the Bank to be granted to the member. Such sick leave benefit days may be made retroactive to the first work day after exhaustion of his/her accrued sick leave credits.

SECTION 4 BANK STABILITY AND LIMITATIONS

All employees who shall become members of the Sick Leave Bank shall continue in the Bank until December 31st of the current calendar year and automatically for each calendar year thereafter unless the employee shall withdraw from membership prior to December 31st of any calendar year. Withdrawal shall be in writing, duly signed and dated, and submitted to the Administrative Committee prior to December 31st. No benefits shall accrue to the withdrawn member thereafter and any sick leave days previously donated to the Bank shall remain in the Bank to be disbursed by the Committee.

The number of benefit days in the Bank shall not exceed 1000 benefit days on December 31st of any calendar year. All excessive days shall be discarded. In the event the Bank is terminated, all sick leave benefit days remaining in the Bank shall be null and void.

SECTION 5 ADMINISTRATIVE OVERSIGHTS

In the event the Chief of Department questions a recipient's eligibility to receive benefits from the Bank, the Chief may require of the Administrative Committee and the employee proof of such eligibility as well as a physician's certified report of the disabling illness or injury of the recipient.

SECTION 6 EFFECTIVE DATE

The provisions of this Article shall be effective January, 1976 and shall be attached to and made a part of this Agreement.

This Article or any Section thereof, may not be amended except through the collective bargaining process or mutual agreement of the parties concerned by law in that process.

16.3 In calendar year 1990 members of the Sick Leave Bank may voluntarily donate one additional day of their accrued sick leave credits to the Sick Leave Bank if the balance in the Sick Leave Bank falls below 150 days. Such voluntary donation of an additional day over and above the provisions of 16.2, Section 2, ADMINISTRATION, shall be made in writing on a form to be provided by the Association. It is agreed and understood the provisions of this section shall apply once only during calendar year 1990.

ARTICLE 17 SICK LEAVE INCENTIVE PROGRAM

- 17.1 Effective January 1, 2008, employees included in the Bargaining Unit who use no (0) units (or days in the case of employees who are not on the 24/72 schedule) during the calendar year shall be granted five (5) days of Personal Leave. Employees who use one (1) unit (or day) shall be granted four (4) days of Personal Leave. Employees who use two (2) units (or days) shall be granted three (3) days. Employees who use three (3) units (or days) shall be granted two (2) days. Employees who use four (4) units (or days) shall be granted one (1) day. Such Personal Leave shall be by payment of 1/5th of a week's pay for each day.
- 17.2 If an employee uses more than 4 units (or days) in a calendar year he/she will not receive any Personal Leave pay.
- 17.3 For the purpose of this article, the sick leave days counted are the units or days actually absent from duty, not counting job connected injury or sickness.

ARTICLE 18 VACATION LEAVE

- 18.1 Effective the date of ratification or July 1, 1999, whichever is the latter, vacation leave policy for the regular Department employees shall be as follows:
- (a) Accrual rate for two (2) calendar weeks begins on date of hire.
- (b) Accrual rate for three (3) calendar weeks begins at the beginning of six (6) years of continuous service.
- (c) Accrual rate for four (4) calendar weeks begins at the beginning of fifteen (15) years of continuous service.
- (d) Accrual rate for five (5) calendar weeks begins at the beginning of twenty (20) years of continuous service.
- 18.2 Selection of vacation periods shall be by seniority by Companies; provided, however, that no vacation period shall extend beyond two (2) weeks until every eligible member of the bargaining unit shall have had an opportunity to have a two (2) week vacation, except at the discretion and approval of the Fire Chief. Two members of the bargaining unit in a double company shall be allowed to be on vacation at the same time, in accordance with the provisions of this Section 18.2.
- 18.3 Upon termination of employment with the Department of a permanent employee, said employee shall receive a lump sum payment for unused accumulated vacation leave. Said payment to be computed by multiplying the number of unused accumulated vacation leave days times one-fifth (1/5) of said employee's normal week's pay. The maximum vacation leave which may be accumulated for the purpose of determining the lump sum payment upon termination of employment referred to above shall be in accordance with the provisions of the City of Manchester Classification and Compensation Plan.

ARTICLE 18 VACATION LEAVE (CONTINUED)

- 18.4 All vacation lists shall be posted by October 15 of each contract year. All vacations shall be picked based on company assignments as of said October 15 at 0800 hours.
- 18.5 Vacation weeks shall begin at 0800 hours on Sunday of the vacation week and continue to 0800 hours the following Sunday.
- 18.6 Maximum vacation accrual. Effective upon ratification date of this agreement, no employee shall permitted to accrue in excess of two (2) times his/her annual earned vacation time, i.e. employees who earn ten (10) days of vacation per year shall have no more than twenty (20) days earned vacation to his/her credit at any time; employees who earn fifteen (15) days of vacation per year shall have no more than thirty (30) days earned vacation per year to his/her credit at any time; employees who earn twenty (20) days of vacation per year shall have no more than forty (40) days earned vacation to his/her credit at any time; employees who earn twenty five (25) days of vacation per year shall have no more than fifty (50) days earned vacation to his/her credit at any time.
- 18.7 Vacation Buyback Employees may request and receive a buyback of their vacation time at straight time in one week blocks.
- 18.8 Effective upon ratification of this agreement, members of the bargaining unit shall be given the opportunity to utilize single day vacations which shall refer to a "unit" using the following guidelines:
- A. Single day vacations shall be awarded by department-wide seniority.
- B. No more than four (4) members may take single day vacation per shift.

ARTICLE 18 VACATION LEAVE (CONTINUED)

C. Members shall be allowed to use one single shift vacation, from January 1, 2005 until June 30 2005, providing the Department shall not be required to expend more than \$50,000 (the cap) in overtime payments for coverage of such vacation time. Once the cap has been expended, no further single day vacations shall be granted for that fiscal year.

As of July 1 2005, members shall be allowed to use single day vacations based upon the member's annual weekly accrual of vacation time*, providing the Department shall not be required to expend more than \$125,000 (the cap) per fiscal year in overtime payments for coverage of such vacation time. Once the cap has been expended, no further single day vacations shall be granted for that fiscal year.

*For example if a member accrues 2 weeks vacation time per year they may use 2 days per year; if a member accrues 3 weeks vacation time per year they may use 3 days and so on.

- D. Single day vacations shall be requested by members through their company officers, to Administration, not later than by 12:00 noon, on the Tuesday prior to the start of the calendar week of the requested shift or unit.
- E. Administration shall post the members approved for single day vacations by 3:00 pm of the Wednesday following the deadline for submission of the requests. In the event the Wednesday is a holiday, administration shall post the members approved for day shift vacations by 3:00 pm of the Thursday following the deadline for submission of the requests.
- F. If a member is scheduled for certification training they must receive approval from administration prior to being awarded a single day vacation day.

ARTICLE 19 SPECIAL LEAVE

- 19.1 Leave from duty with full appropriate pay shall be granted to members of the Association's Negotiating Committee, not to exceed six (6) such members, who attend meetings between the Department and the Association for the purpose of negotiating the terms of a contract, provided the employee was scheduled for duty at a time simultaneous to attendance at such meeting. Negotiating Committee Members shall have the complete shift off when negotiations occur during any part of a negotiator's regular work shift. Appropriate members of the Association, not to exceed six (6) such members, shall be granted leave from duty with full pay to attend meetings between the Department and the Association for the purpose of processing grievances, provided said member was scheduled for duty at a time simultaneous to attendance at such a meeting.
- 19.2 The Department agrees to grant time off without loss of pay for Association Officers, not exceed a total of three (3) such officers for a total not to exceed fifteen (15) duty units in the calendar years to attend State and Regional Association labor conventions and conferences. Further, the board agrees to grant time off without loss of pay for two (2) complete units off for one (1) person every three (3) months at the Association President's discretion with 72 hours notice to the Department as to who is off and when the shift off will occur.

ARTICLE 20 BEREAVEMENT LEAVE

- 20.1(a) All bargaining unit members will be excused from work for not more than two (2) consecutive shifts (between the date of death and the date of the funeral, inclusive) with pay because of death in the immediate family, as defined below. It is intended that this time off be used for the purpose of handling necessary arrangements and attendance at the funeral.
- 20.1(b) Employees who work a five (5) day week shall be excused from work for not more than five (5) consecutive work days with pay between the date of death and the date of the funeral, inclusive, in the event of the death of a member of his/her immediate family. Immediate family is hereby defined to mean spouse, father, mother, sister, brother, child, father-in-law, mother-in-law, son-in-law, daughter-in-law or a blood relative or ward residing in the same household.
- 20.1(c) No employee shall be required to report to any shift on the day of the funeral of an immediate family member (as defined above) occurs. This paragraph does not add any additional days shift with pay not otherwise provided for by the paragraphs above.
- 20.2 Under extenuating circumstances, (1) additional shift with pay, for the purposes of bereavement leave on the death of an immediate family member as defined in 20.1, may be granted with the written approval of the Department Head, or his/her designee, provided such days are to be charged to the employee's accrued sick leave.
- In the event of a funeral which occurs during a shift, or in the event that travel to or from a funeral is necessary during a shift, when an employee is scheduled to work a shift following the funeral or memorial service, the employee shall be excluded from work for the shift if the funeral is for one of the following: sister-in-law, brother-in-law, grandmother, grandfather, grandchildren, uncle, aunt, nephew or niece.
- 20.4 Bereavement leave shall be paid on straight time.

ARTICLE 21 UNIFORM ALLOWANCE

- <u>21.1</u> The budget of the Fire Department each year shall have an account known as "Uniform Allowance". Each permanent employee of the Fire Department shall be provided uniforms or a uniform allowance.
- <u>21.2</u> The Fire Department shall reimburse entry level Firefighters and promoted Members for their initial required uniforms upon presentation of receipts. The required uniform items covered by this Section shall be agreed upon between the Parties and may be amended from time to time.
- 21.3 Effective July 1, 1999, or date of ratification, whichever occurs later, the annual uniform allowance of \$425.00 shall be payable in semi-annual payments, each consisting of 50% of the annual amount. Effective July 1, 2000, the annual allowance of \$475.00 shall be payable in semi-annual payments, each consisting of 50% of the annual amount.
- 21.4 In the event a member of the bargaining unit retires prior to completing a complete calendar year the uniform allowance shall be pro-rated at the rate of 1/12 the annual amount times the number of completed months of active service during the calendar year.

ANNUAL UNIFORM ALLOWANCE X Completed months of Service Twelve Months

- If a member of the bargaining unit is absent for a complete six months semi-annual period for reasons other than duty disability, he/she shall not receive the semi-annual uniform allowance for that period.
- 21.5 If the Department, in its discretion, decides to continue to pay a uniform allowance, the amount of such allowance shall be a proper subject for re-negotiation.

ARTICLE 21 UNIFORM ALLOWANCE (CONTINUED)

- <u>21.6</u> The Department shall furnish "Turnout" gear to members of the bargaining unit on an "as needed" basis, to be determined by the Department. Such Turnout gear includes coats, helmets, day boots and gloves and, if required by the Department, night boots and night hitches.
- <u>21.7</u> Uniforms and turnout gear for bargaining unit members shall meet NFPA standards.
- <u>21.8</u> The Department shall not require the members of the bargaining unit to wear station uniforms when leaving the station at the end of the duty tour.
- An annual payment of one hundred fifty dollars (\$150.00) shall be paid to members working in the position of Equipment Mechanic II in lieu of tool insurance and the City will not be liable for any losses.

ARTICLE 22 HEALTH & DENTAL INSURANCE

- <u>22.1</u> Effective July 1, 1999 or date of ratification, whichever occurs later, bargaining unit members may enroll in the Blue Cross/Blue Shield Blue Choice Plan II or in the Matthew Thornton Blue Health Plan.
- 22.2 Effective July 1, 1999 the City shall pay ninety-five percent (95%) of Hospital/Medical Insurance premiums for all bargaining unit members enrolled in an HMO and eight-seven and one-half percent (87.5%) of Hospital/Medical insurance premiums for all bargaining unit members enrolled in Blue Cross/Blue Shield Blue Choice Plan II.

Effective on the date of ratification of this Agreement, the City will pay one thousand five hundred dollars (\$1,500.00) annually to any Bargaining Unit Member who terminates his/her existing health insurance coverage under the City/School District's plan and who also provides satisfactory evidence that he/she had valid alternative health insurance coverage elsewhere.

Effective on the date of ratification of this Agreement, "Blue Choice Plan II" will be replaced by "Blue Choice Plan III." Plan III will be the same as Plan II except the employee's co-pays shall be as follows:

Option I (PCP) office visit co-pay \$10.00 until July 1, 2003: then \$15.00

Option II (direct referral to specialist) office visit - \$30.00

Emergency room visit - \$75.00

Generic prescriptions (one month supply) - \$10.00

Other prescription (one month supply) - \$15.00

Mail order prescriptions (three month supply) - \$1.00

ARTICLE 22 HEALTH & DENTAL INSURANCE (CONTINUED)

Effective on the date of ratification, the City may place newly hired employees who are eligible for Health Insurance into the Matthew Thornton HMO plan until the next enrollment period following the employee's one year anniversary, at which time those employees may elect to remain in Matthew Thornton or elect to change to Blue Choice.

22.3 In case a husband and wife are employed by the City of Manchester, the City shall pay only one premium for either a 2-person or a family policy whichever policy is selected by said husband and wife.

Effective July 1, 2003 all employees shall be required to pay the employee share of the health and dental insurance premiums as specified in the collective bargaining agreement. The terms of the first sentence of this section under which the City/School District paid the entire premium when both the wife and husband are employed by the City or School District shall lapse.

- 22.4 It is agreed by all parties concerned the City reserves and shall have the right to change insurance carriers or become self-insured, provided overall benefits to participants are not decreased and the costs to participants are not increased above the amounts shown in Section 22.2 and further that the New Hampshire Retirement System must accept the new policy for retired members.
- 22.5 The City shall also pay to a member of the Association injured in the performance of his/her duty the difference between his/her regular pay at the time of injury and the amount of Workmen's Compensation benefits to which he/she is entitled, said payments to be in accordance with all applicable State statutes and City Ordinances in effect on January 1, 1992. In the event any such State statutes are amended so as to eliminate such payments, such payments shall cease as of the effective date of any such amendment(s).

ARTICLE 22 HEALTH & DENTAL INSURANCE (CONTINUED)

- 22.6 The City may offer Health Maintenance Organizations options to members of the bargaining unit on a voluntary basis. Such options shall include Matthew Thornton Health Plan and any others that are mutually agreed by the City and the Union.
- 22.7 Effective July 1, 1999 or date of ratification whichever occurs later, bargaining unit members who enroll in the Northeast Delta Dental Plan, Coverage C will have eighty-five percent (85%) of the premium paid by the City. The entire premium will be paid for bargaining unit members whose spouse also works for the City.

Effective July 1, 2003, the total yearly maximum will be increased to \$1,500.00. Also, effective July 1, 2003, all employees shall be required to pay the employee share of the dental insurance premiums (see Sec. 22.3, above).

22.8 The provisions of this Article (22) which have been changed (as shown in italics) will lapse on June 30, 2004 if any other union, with an agreement that expired on June 30, 2002 and which participated in the Collaborative Bargaining, receives health/dental benefit changes which are better than the changes contained in this Agreement. In such case, such better benefit changes will apply to the IAFF, Local 856 bargaining unit members, under the same terms and conditions, effective July 1, 2004 and they will continue until different benefits are negotiated and agreed.

ARTICLE 23 SAFETY & HEALTH COMMITTEE

23.1 SAFETY COMMITTEE

There shall be established in the Fire Department a Safety Committee which shall be advisory only, said Committee to be composed on an equal number of members of the management of the Department and the Association. The Safety Committee shall meet not less than once every thirty (30) days. The Committee shall review safety and health problems, suggestions and recommendations from all sectors of the Fire Department and shall make proposals for eliminating hazardous conditions in the Fire Department, provided, however, that the provisions of this Article shall not impair the Department's right to formulate and put into effect any rules and/or regulations which it, in its sole discretion, deems necessary or desirable concerning the protection of life and property, safety, health and sanitation.

23.2 DAILY TRAVEL

Daily travel will be assigned on the basis of department wide seniority within the platoon and company affected regardless of rank, the individual with the least seniority will be assigned first and all other members will be assigned on the basis of ascending seniority.

23.3 REPLACEMENT OF EQUIPMENT

The Fire Department will provide for the repair or replacement of stoves, refrigerators, microwave ovens and garbage disposals at the Department's discretion.

The Department shall maintain a system so as to make readily identifiable all members operating at an incident.

ARTICLE 24 DISCIPLINE

- <u>24.1</u> Discipline of permanent bargaining unit employees is generally to be corrective and of progressive severity and action will normally be taken in the following manner:
 - **STEP 1:** A verbal warning or reprimand, explaining the problem and what corrective action is required.
 - STEP 2: A continuation of the problem may result in a written warning indicating the reason for the reprimand and the action to be taken to avoid the problem in the future. A copy of the reprimand will be placed in the employee's personnel file.
 - STEP 3: If there are continued infractions of the same nature or no improvement in the employee's performance, additional written reprimands may be given or the employee may be suspended for up to two (2) shifts without pay.
 - STEP 4: Continued infractions may result in suspension without pay in excess of up to two (2) shifts or termination of employment. An employee may be suspended, demoted or discharged if the misconduct is of such a serious nature that there is sufficient cause for such initial action, even though there have been no prior warnings or written reprimands.
- 24.2 Any permanent employee who is in the bargaining unit who is demoted in rank or dismissed shall be notified in writing of the reasons for such demotion or dismissal.

The employee may request a hearing by the Fire Chief of such demotion or dismissal by filing with the Fire Chief an appeal in writing within ten (10) calendar days of receiving the notification of demotion or dismissal. The request shall be filed in accordance with Article 27.2(b) of this Agreement and

ARTICLE 24 DISCIPLINE (CONTINUED)

thereafter, the procedures and requirements contained in the Grievance Procedure shall apply.

- 24.3 The personnel record of an employee shall be cleared of written reprimands after a period of eighteen (18) months provided the employee has satisfactorily corrected the nature of the reprimand and there are no similar infractions committed during the intervening period.
- 24.4 The personnel record of an employee shall be cleared of a record of suspension after a period of 3 years provided the employee has satisfactorily corrected the cause of suspension and there are no similar infractions committed during the intervening period.

ARTICLE 25 CORRESPONDENCE

- <u>25.1</u> The Department and the Association shall reply in writing within twenty (20) calendar days to any correspondence received from the other party regarding union business or employee affairs.
- 25.2 It is agreed the Fire Chief or his/her designee will acknowledge in writing letters from the Association President or his/her designee pertaining to matters concerning the disciplining of bargaining unit members, grievances within the bargaining unit or questions on the interpretation and administration of this Agreement, such acknowledgment to be made twenty (20)] days of the receipt of such letters.
- 25.3 Three representatives of the Association shall meet with the Chief or his/her designee, once a month to discuss matters of mutual concern, including those matters necessary to the implementation of this agreement. A written agenda shall be submitted by the Association to the Chief no less than five days before the scheduled meeting. At the discretion of the Chief, or his/her designee, additional matters for discussion may be placed on the agenda. Nothing contained herein shall prevent the Chief, or his/her designee, and the Association from meeting on a less frequent basis on mutual agreement.
- 25.4 Nothing contained herein shall prevent the Association from consulting with the Chief or his/her designee at any time, if matters of mutual concern arise of an urgent or emergency nature.

ARTICLE 26 BULLETIN BOARDS

<u>26.1</u> The Association shall have the right to post on bulletin boards located in the Central Fire Station and all sub-stations notices concerning Association business and employee affairs. The Association agrees that it shall not cause or permit the posting of any matter which does not concern union business or posting of any matter which does not concern union business or employee affairs and which are political or controversial in nature or which may interfere with the normal operations of the Fire Department. The Association will remove from any bulletin board upon the request of the Fire Chief or his/her designee any material that, in the Department's judgment, is libelous, scurrilous or detrimental to the labor-management relationship.

ARTICLE 27 GRIEVANCE PROCEDURE

- 27.1 For the purpose of this contract, a grievance is defined as a written dispute, claim or complaint which is filed and signed by either an employee in the Bargaining Unit, the Association or the Department and which arises under and during the term of this agreement. Grievances are limited to matters of interpretation or application of Articles contained in this Agreement. An employee in the bargaining unit, the Association or the Board shall have the right to initiate a grievance in accordance with the provisions of this Article.
- <u>27.2</u> Whenever an employee in the bargaining unit has a grievance as defined above, the following procedure shall be utilized or such grievance shall be deemed waived.
- (a) The employee involved shall file the grievance in writing with the Association President within fifteen (15) calendar days from the date of the event which gives rise to the alleged grievance or within fifteen (15) calendar days from the date the employee knew or should have known, with reasonable diligence, of the event which gives rise to the alleged grievance. The Association President shall then submit the grievance to the Association Grievance Committee for discussion within fifteen (15) calendar days after the grievance is presented to him/her.
- (b) The Grievant or the Association must, if wishing to process the grievance, file the grievance with the Fire Chief within ten (10) calendar days after said grievance was filed with the Association Grievance Committee. The grievance shall be submitted in writing, listing the article(s) and section(s) violated, the specific facts associated with the grievance and the remedy desired. Within ten (10) calendar days following the receipt of the grievance the Fire Chief or his/her designee shall schedule a meeting. Said meeting shall be held no later than ten (10) calendar days following receipt of the grievance and a written decision shall be issued within ten (10) calendar days after the meeting. If a meeting is scheduled; the Association and

the grievant shall attend at the Fire Chief's or his/her designee's discretion.

- (c). If the grievant is not satisfied with the decision of the Fire Chief, or if no decision is rendered within the time limits contained in 27.2(b) above, the grievant or the Association may file said grievance with the Pre-arbitration board within ten (10) calendar days after the time limits cited above. The Pre-arbitration board will act upon the grievance within ten (10) calendar days after the grievance was filed. The grievant must attend the Pre-arbitration board meeting. The Pre-arbitration board shall render a decision within ten (10) calendar days of the meeting.
- <u>27.3</u> Whenever the Association has a grievance as defined above, the following procedure shall be utilized or such grievance shall be deemed waived.
- (a) The Association shall file the grievance in writing with the Fire Chief within thirty (30) calendar days from the date of the event, which gives rise to the alleged grievance. Within ten (10) calendar days the Fire Chief shall issue a decision or schedule a hearing as provided in 27.2(b).
- (b) If the Association is not satisfied with the decision of the Fire Chief or if no decision has been rendered within twenty (20) calendar days after filing with the said Fire Chief, the Association may file said grievance with the Pre-Arbitration Board in accordance with Section 27.2(c).
- 27.4 Any mutually satisfactory disposition reached as a result of action taken in Sections 27.2 or 27.3 shall be final and binding upon the parties as to the matter in dispute; and the Department, the Association and the grievant shall thereafter comply in all respects with the result of such disposition.
- 27.5 If said grievance is not reported and/or processed within the time limits set forth in Sections 27.2 or 27.3 above, the matter shall be dismissed and no further action shall be taken with respect to such grievance.

- 27.6 Should any grievance arise which cannot be settled within the scope of the foregoing sections of this Article, either the Department or the Association may submit such grievance to arbitration as follows:
- (a) If the aggrieved employee is not satisfied with the disposition of his/her grievance as a result of the action of the Pre-arbitration board or if no decision has been rendered within ten (10) calendar days after the Pre-arbitration board meeting, the aggrieved employee may request in writing, within ten(10) calendar days from the date of the Pre-arbitration board meeting, to the Association that the Association submit his/her grievance to arbitration. If the Association determines that the grievance is meritorious it may submit the grievance in writing to arbitration within ten (10) calendar days after receipt of the written request by the aggrieved employee. If the aggrieved employee fails to submit such written request for arbitration to the Association within the said ten (10) calendar days after the Pre-arbitration board meeting or the Association fails to submit said grievance to arbitration within said ten(10) days after receipt of the written request from the employee, the grievance shall be deemed abandoned and no further action shall be taken with respect to such grievance.
- (b) If the Association is not satisfied with the disposition of the grievance as a result of the Pre-arbitration board meeting or if no decision has been rendered within ten (10) calendar days after the Pre-arbitration board meeting, the Association may submit in writing a request for arbitration within ten (10) calendar days after the Pre-arbitration board decision or ten (10) calendar days after the date of the Pre-arbitration board meeting. If the Association fails to submit such written request for the appointment of an arbitrator within said ten(10)days, the grievance shall be deemed abandoned and no further action shall be taken with respect to such grievance.

- (c) The party demanding arbitration shall submit its request to the New Hampshire Public Employee Labor Relations Board or other mutually acceptable agency for the appointment of an arbitrator in accordance with the rules and regulations of the agency. Nothing in this section shall prohibit or prevent the parties from agreeing upon the appointment of an arbitrator without the assistance of the Public Employee Labor Relations Board or other agency on a case by case basis.
- (d) The arbitrator shall not have the power to add to, ignore or modify any of the terms and conditions of this agreement. His/her decision shall not go beyond what is necessary for the interpretation and application of express provisions of this agreement. The arbitrator shall not substitute his/her judgment for that of the parties in the exercise of rights granted or retained by this agreement.
- (e) The decision of the arbitrator shall be final and binding upon the parties as to the matter of the dispute.
- (f) The expenses of the arbitrator shall be shared equally by the Department and the Association. Each party shall make arrangements for and pay the expenses of the witnesses who are called by them.
- 27.7 Nothing contained herein shall be construed as limiting the right of any employee having a grievance to discuss the matter informally with any appropriate member of the Department, and having the grievance adjusted without the intervention of the Association provided the adjustment is not inconsistent with the terms of this agreement and that the Association has been given the opportunity to be present at such adjustment and to state it views.

- 27.8 The above items may be extended or by-passed by mutual written agreement of the parties.
- 27.9 A grievant and one Local 856 union representative shall be allowed up to one hour off (without loss of pay) during duty hours to process grievances through each step of the grievance procedure. Additional time may be granted if mutually agreed to by the parties.

ARTICLE 28 SEPARABILITY

28.1 If any provision of this agreement or any application of the agreement to any employee or group of employees is found contrary to law, then such provision or application will not be deemed valid and subsisting, except to the extent permitted by law, provided, however, that all other provisions of this agreement and applications thereof will continue in full force and effect.

ARTICLE 29 EDUCATION INCENTIVE REIMBURSEMENT POLICY

- 29.1 (a) Effective July 1, 1999 the City agrees to provide reimbursement to employees who complete approved courses related to Fire Department responsibilities based upon the following: Seventy-five percent (75%) of the cost of courses, books and materials to a maximum of seven hundred eighty (\$780.00) dollars per year, per employee.
- <u>29.1</u> (b) Effective July 1, 2000, the City agrees to provide reimbursement to employees who complete approved courses related to Fire Department responsibilities based upon the following: Seventy-five percent (75%) of the cost of courses, books and materials to a maximum of nine hundred (\$900) dollars per year per employee.
- 29.2 Courses must be approved in advance by the Fire Chief or his/her designee as meeting the requirement that such course is related to Fire Department operations or is part of a degree program in Fire Science or Fire Administration.
- 29.3 Once a course has been approved the Department will advance to the employee one-half of the authorized amount for the course tuition and books. The remainder of the course reimbursement will be paid to the employee upon presentation of a certificate of satisfactory completion of the course.
- <u>29.4</u> Employees will be approved for course reimbursement in chronological order of applying for course reimbursement approval prior to attending such courses, but not to exceed the amount appropriated in the budget for this purpose.

A sum of \$7,800.00 will be appropriated in the fiscal year 1999 budget for education reimbursement. Any sum remaining in this account on June $30^{\rm th}$ of the year will not be carried over into the following fiscal year.

ARTICLE 29 EDUCATION INCENTIVE REIMBURSEMENT (CONTINUED)

A sum of \$9,000.00 will be appropriated in the fiscal year 2000 and successive fiscal year budgets for education reimbursement. Any sum remaining in the account on June $30^{\rm th}$ of each year will not be carried over into the following fiscal year.

- 29.5 The Department will provide a one time full, complete, and current set of IFSTA manuals and all other texts, manuals, or other education material which may be part of any promotional examination to all companies.
- 29.6 The Department shall not be arbitrary or capricious in the course of providing training opportunities.

ARTICLE 30 LIFE INSURANCE BENEFIT

- 30.1 Effective September 1, 1999 or date of ratification, whichever is later, the City will provide for a Life Insurance Fund to provide for the payment of a death benefit of an amount equal to the employee's last yearly base pay, but not to exceed fifty thousand (\$50,000.00) to the named beneficiary or estate of any member of the Bargaining Unit who dies from any cause while employed by the City, or who dies within sixty (60) calendar days after retirement or resignation for health reasons. The City reserves the right to obtain insurance coverage for the above amounts, and reserves the sole right to select such insurance carrier.
- <u>30.2</u> Provided, however, that the Department reserves the right to provide the insurance benefits agreed to in 30.1 by contracting with a private insurance carrier. The Department may, at its sole option, exercise this right except that if it does so it must contract with private insurance for a covenant that the private carrier must allow retired employees to convert the coverage provided for herein, at their sole expense upon retirement, and provided that the private insurance contract shall not increase the city's cost above that required by Section 30.1.

ARTICLE 31 INDEMNIFICATION

The City of Manchester currently purchases liability insurance, which includes coverage of Liability of Public Officials and employees for actions taken as part of their official duties while employed by the City.

Furthermore, on the 25th of November 1975, the Board of Mayor and Aldermen acted under the provisions of RSA 31:105 by voting to indemnify and hold harmless for loss or damage any person employed by the City while acting in their official capacity. Such action by the Board of Mayor and Aldermen protects the Officials and employees of the City for the deductible amount of liability insurance.

Employees of the City within the bargaining unit are covered under the Liability Insurance and the Indemnification for the deductible amount of the liability coverage, which are currently in effect. Liability insurance coverage and indemnification for the deductible amount of the liability coverage shall be maintained for bargaining unit members under the same terms and conditions as for other employees of the City.

ARTICLE 32 TEMPORARY DUTY IN HIGHER RANK

Any Fire Officer required to perform the duties of an officer of a higher rank for one (1) continuous work week, shall be compensated at the rate of pay for said rank in accordance with Section 33.061 of the Code of Ordinance.

ARTICLE 33 RESIDENCY

33.1 All members of the bargaining unit shall be required to reside within a fifteen (15) mile radius of the City limits of Manchester, New Hampshire; provided, however, that any member of the bargaining unit who resided outside the fifteen-mile limit as of the date of ratification of this Agreement shall be allowed to continue such residency outside the City limits.

ARTICLE 34 MISCELLANEOUS

 $\underline{34.1}$ \underline{DIVERS} Each employee who is selected and assigned as a Diver for the Fire Department shall be compensated by payment of \$5.00 per week while so assigned and shall be paid at one and one half (1 1/2) times his/her hourly rate for each hour worked if called in on an off-duty time to perform diving functions for the Fire Department.

ARTICLE 35 NFPA 1500 SERIES

35.1 NFPA 1500

The Department and the Association shall establish a joint committee which shall within one year promulgate an NFPA 1500 implementation schedule, subject to budget approval.

35.2 Employee Assistance Program

The City will pay a private agency, mutually approved by the Association and the Human Resources Department, an amount, not to exceed Four Thousand Four Hundred Thirty Five Dollars (4,435.00) to run the Employee Assistance Program. If the cost of providing said program for each year exceeds the Four Thousand Four Hundred Thirty Five Dollars (4,435.00) the Association may fund or find other organizations to fund the additional moneys. The Employee Assistance Program will be overseen by a joint committee comprised of one representative of each of the Association, Fire Department, Human Resources Department, and a representative from the organization, if any, which provides additional funding for this program.

35.3 Drug & Alcohol Testing

Effective July 1, 2001, all bargaining unit members shall be subject to a Drug and Alcohol Testing Policy. The Department and the Association will mutually agree to this policy and may amend it from time to time. If a policy is not in place by July 1, 2001 the parties will submit all remaining issues in the dispute to an arbitrator for his/her final and binding decision. The parties shall mutually select an arbitrator. If the parties are unable to agree on an arbitrator, they shall jointly request that an arbitrator be appointed by the Public Employees Labor Relations Board in accordance with its rules. The arbitrator will be limited to choosing between the parties' last best offer on each outstanding issue. The cost of the arbitrator shall be shared equally by the parties.

ARTICLE 35 NFPA 1500 SERIES

 $\underline{\mathbf{35.4}}$ The Union agrees to consider a memorandum of understanding regarding a wellness fitness program.

LICENSES AND CERTIFICATIONS

36.1 Licenses and Certifications

The Fire Department will continue to pay for EMT and Ambulance Attendant licenses.

 $\underline{36.2}$ It shall be the responsibility of all bargaining unit members who are required to have an EMS Provider License to maintain such license at all times.

Failure to maintain the EMS Provider License shall be cause for discipline and/or termination.

ARTICLE 37 RETIREMENT

37.1 Retirement

Under the N.H. Retirement System the Department may call for examinations of the members who are on disability retirement. If they are found fit, they can be taken off disability retirement. In such cases, the Department shall provide a system for the return of such members to active duty, provided such members pass a City physical, agree to retrain if necessary. Such member shall be returned to duty in the next occurring vacancy.

ARTICLE 39 FIRE COMMUNICATIONS DISPATCHERS

- 39.1 The Emergency Services Dispatcher (Fire) and Emergency Communications Supervisor (Fire) will be members of the bargaining unit and the collective bargaining agreement will apply to them with the following exceptions and clarifications.
- The work week for Emergency Services Dispatcher (Fire) will be forty (40) hours per week in eight (8) hour shifts which shall include a one-half hour on duty meal period. The work schedule shall be in accordance with Appendix A which is attached hereto.

The Emergency Services Dispatcher (Fire) will not be paid multiple alarm pay provided in Article 11.2.

Overtime, at the rate of time and one-half, will be paid in accordance to Article 11.3. They will be paid overtime (time and one-half) for a minimum of three (3) hours for reporting for extra duty assignments. Overtime assignments will be made from the voluntary overtime list (rotating list according to seniority).

Before Dispatchers are hired from the mandatory overtime list the Department will attempt to fill the vacant slot from a pool of qualified Firefighters, Fire Lieutenants, Fire Captains, Fire Communications Technicians, Electronic Systems Technicians I and II, and Fire Prevention Inspectors I and II. When a qualified member from this pool is hired he/she shall be paid at pay grade 14 at his/her corresponding step, providing Fire Lieutenants and Fire Captains shall be paid at pay grade 14 step 13, all in accordance with the Fair Labor Standards Act.

Provided that in the event that an appropriate number of volunteers cannot be secured from the voluntary list, the department may make mandatory assignments from the mandatory overtime list (rotating list according to inverse seniority).

ARTICLE 39 FIRE COMMUNICATIONS DISPATCHERS (CONTINUED)

Fire Fighters will not be used for full time dispatching unless it becomes necessary due to:

- (a) a layoff which affects Emergency Services Dispatchers (Fire). In the event of a layoff, either party may require impact bargaining;
- (b) emergency situations where dispatchers are not available; however, Fire Communications Technicians and Electronic Systems Technicians I and II shall be assigned to such duty prior to the assignment of any fire fighter. In the event that the Department makes an assignment under this provision which violates such provision, the Department shall be required to compensate any affected member at double the rate received for that assignment worked.
- <u>39.3</u> Emergency Services Dispatchers (Fire) will be paid at pay grade 15 as per the attached schedule.

The Emergency Communications Supervisor (Fire) will be paid at pay grade 18 per Article 12 of the collective bargaining agreement.

Night Shift Premium. Effective July 1, 2008 any bargaining unit member who is assigned to night shifts on a periodic rotating basis shall be paid at a rate which is seven percent (7%) higher than his/her normal rate. Such premium shall apply when half or more of the shift is scheduled after 6:00 PM or before 8:00 AM and shall be paid only while the bargaining unit member is actually working on such shift or is on authorized vacation or sick leave with pay, provided that he is so assigned both immediately before and after such leave.

39.4 Vacation selection shall be handled in the same manner as for a single company.

ARTICLE 39 FIRE COMMUNICATIONS DISPATCHERS (CONTINUED)

39.5 Emergency Services Dispatchers (Fire) and Emergency Communications Supervisor (Fire) shall be included in the City of Manchester Employees' Contributory Retirement System, under its rules and regulations.

ARTICLE 40 TERMINATION AND RENEWAL

- 40.1 This agreement shall be in full force and effect and remain in full force and effect from July 1, 2010, to and including June 30, 2013, except as otherwise specified in individual articles, and shall continue from year to year thereafter unless written notice of desire to cancel or terminate the Agreement is served by either party upon the other at least sixty (60) days prior to the date of expiration.
- 40.2 Where no such cancellation or termination notice is served and the parties desire to continue said Agreement but also desire to negotiate changes or revisions in this Agreement, either party many serve upon the other a notice at least sixty (60) calendar days prior to June 30, 2013, advising that such party desires to revise or change terms or conditions of such Agreement, and which terms and conditions are desired to be renegotiated.

IN WITNESS WHEREOF the parties have hereunto set their hands and seals this $$\operatorname{day}$\ of $$, 2010.

IAFF, Local #856	City Negotiating Team
J/17/	James a Bushush Chief

Apper	ndix A	A - Fi	re Co	mmuni	catio	ns Di	spatc	her S	chedule
	A	В	С	D	E	F	G	Н	I
Sun	DS	DS	OFF	MS	MS	OFF	NS	NS	OFF
Mon	DS	DS	DS	MS	MS	OFF	NS	NS	MS
Tues	DS	OFF	DS	MS	OFF	MS	NS	OFF	NS
Weds	DS	OFF	DS	MS	OFF	MS	NS	OFF	NS
Thur	OFF	DS	DS	OFF	MS	MS	OFF	NS	NS
Fri	OFF	DS	DS	OFF	MS	MS	OFF	NS	NS
Sat	DS	DS	OFF	MS	MS	OFF	NS	NS	OFF
Sun	DS	DS	OFF	MS	MS	OFF	NS	NS	OFF
Mon	DS	OFF	DS	MS	OFF	DS	NS	OFF	NS
Tues	DS	OFF	DS	MS	OFF	MS	NS	OFF	NS
Weds	OFF	DS	DS	OFF	MS	MS	OFF	NS	NS
Thur	OFF	DS	DS	OFF	MS	MS	OFF	NS	NS
Fri	DS	DS	DS	MS	MS	MS	NS	NS	NS
Sat	DS	DS	OFF	MS	MS	OFF	NS	NS	OFF
Sun	DS	OFF	DS	MS	OFF	MS	NS	OFF	NS
Mon	DS	DS	DS	MS	MS	MS	NS	NS	NS
Tues	OFF	DS	DS	OFF	MS	MS	OFF	NS	NS
Weds	OFF	DS	DS	OFF	MS	MS	OFF	NS	NS
Thur	DS	DS	OFF	MS	MS	OFF	NS	NS	OFF
Fri	DS	DS	OFF	MS	MS	OFF	NS	NS	OFF
Sat	DS	OFF	DS	MS	OFF	MS	NS	OFF	NS
Sun	DS	OFF	DS	MS	OFF	MS	NS	OFF	NS
Mon	OFF	DS	DS	OFF	MS	MS	OFF	NS	NS
Tues	OFF	DS	DS	OFF	MS	MS	OFF	NS	NS
Wed	DS	DS	OFF	MS	MS	OFF	NS	NS	OFF
Thur	DS	DS	OFF	MS	MS	OFF	NS	NS	OFF
Fri	DS	DS	DS	MS	MS	MS	NS	NS	NS
Sat	DS	OFF	DS	MS	OFF	MS	NS	OFF	NS
Sun	OFF	DS	DS	OFF	MS	MS	OFF	NS	NS
Mon	DS	DS	DS	MS	MS	MS	NS	NS	NS
Tues	DS	DS	OFF	MS	MS	OFF	NS	NS	OFF
Weds	DS	DS	OFF	MS	MS	OFF	NS	NS	OFF
Thur	DS	OFF	DS	MS	OFF	MS	NS	OFF	NS
Fri	DS	OFF	DS	MS	OFF	MS	NS	OFF	NS
Sat	OFF	DS	DS	OFF	MS	MS	OFF	NS	NS
Sun	OFF	DS	DS	OFF	MS	MS	OFF	NS	NS

Appendix A - Fire Communications Dispatcher Schedule (continued)

	A	В	С	D	E	F	G	H	I
MON	DS	DS	OFF	MS	MS	OFF	NS	NS	OFF
Tues	DS	DS	OFF	MS	MS	OFF	NS	NS	OFF
Wed	DS	OFF	DS	MS	OFF	MS	NS	OFF	NS
Thur	DS	OFF	DS	MS	OFF	MS	NS	OFF	NS
Fri	DS	DS	DS	MS	MS	MS	NS	NS	NS
Sat	OFF	DS	DS	OFF	MS	MS	OFF	NS	NS
Sun	DS	DS	OFF	MS	MS	OFF	NS	NS	OFF
Mon	DS	DS	DS	MS	MS	MS	NS	NS	NS
Tues	DS	OFF	DS	MS	OFF	MS	NS	OFF	NS
Weds	DS	OFF	DS	MS	OFF	MS	NS	OFF	NS
Thur	OFF	DS	DS	OFF	MS	MS	OFF	NS	NS
Fri	OFF	DS	DS	OFF	MS	MS	OFF	NS	NS
Sat	DS	DS	OFF	MS	MS	OFF	NS	NS	OFF
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1								

DS indicates a day shift - 0800 to 1600 hrs

The shift starting times may be moved forward or back up to one (1) hour with, thirty (30) day written notice to the union.

MS indicates a midday shift - 1600 to 2400 hrs

NS indicates a night shift - 0000 to 0800 hrs

^{*} The Senior Fire Communications Dispatcher will work a different schedule as determined by the Department.

APPENDIX B QUALIFICATIONS FOR ACHIEVEMENT STEPS

Approved Majors:

Fire Science, Fire Protection, Fire Protection Engineering, Investigation or other fire service related degree.

Public Administration

Business/ Management/Administration

Medical Sciences, i.e. RN, Pa, Paramedic

Engineering

Minimum requirements:

Firefighter Associate Degree in any of the above

Programs or Nationally Registered

Paramedic

Lieutenant Firefighter requirements + 20 credit

hours in any of the above programs

Captain Firefighter requirements + 40 credit

hours in any of the above programs

Fire Instructor Associate degree plus 40 credit hours

Fire Inspector I Associate degree plus 20 credit hours

Fire Inspector II Associate degree plus 40 credit hours

Emerg. Svc. Dispatcher Firefighter and EMT certification

Emerg. Comm. Supvr. Associate degree and FF & EMT

certification

Electronic Sys. Tech. I Associate degree in electronics

APPENDIX B QUALIFICATIONS FOR ACHIEVEMENT STEPS (CONTINUED)

Electronic Sys. Tech II Associate degree in electronics + 40

credit hours

Equip. Mechanic II Associate degree in Automotive Sciences

and Emergency Vehicle Technician level

ΙI

1. Members requesting reclassification to the "A" Step shall submit proof of completion of the above requirements to the Chief of Department for approval.

APPENDIX C - EMPLOYEE DEVELOPMENT APPEALS PROCESS

Only employees who are denied a merit step increase on their anniversary date of position due to a sub-standard performance evaluation may file an appeal. All appeals shall be initially filed with the employee's department head. Any employee receiving a satisfactory performance evaluation shall not have the right to appeal or grieve their evaluation, their pay step, or the supervisor's comments. In the event that there is a disagreement between the employee and his/her supervisor over the EDP goals, the employee, after discussing the disagreement with the department head or his/her designee may with the concurrence of the Union, file a grievance.

If the department head rules in the employee's favor, the employee shall receive his/her merit step as of their anniversary date of position. If the department head rules against the employee, the employee shall have the right to appeal the decision to the city-wide appeals committee.

Employees will have thirty (30) days from the date of denial by their department head to file an appeal with the Human Resources Director or their right to appeal shall be forfeited.

An appeals committee shall be comprised of the following representatives:

- Two union representatives appointed by the unions (with two alternates).
- One department head (with one alternate).
- One non-affiliated (with one alternate).
- An independent neutral party to act as tie breaker. This person to be selected through agreement between the City and the unions. If no decision can be reached, the neutral shall be appointed by the P.E.L.R.B. Any costs associated with the neutral party hearing appeals shall be borne half by the City and half proportionally split amongst the unions whose members are appealing. The unions shall not be responsible for any

costs incurred in appeal hearings from non-affiliated employees.

APPENDIX C - EMPLOYEE DEVELOPMENT APPEALS PROCESS (CONTINUED)

• The Human Resources Director as non-voting chairman to provide staff resources.

Members cannot sit in on appeals when the appellant is a member on the same department or union.

Terms of the members on this committee shall be staggered with two (2) year terms and members cannot serve more than two consecutive terms. Members must take at least one year off after serving two terms before being allowed to serve on the committee again. Alternates shall have no term limitations.

Unless agreed to by the appellant and the Human Resources Director the committee shall have sixty (60) days from receipt of the appeal to conduct a hearing on the matter.

The committee shall have thirty (30) days to render a decision on the matter.

A majority vote shall rule and all decisions are final, binding and non-grieveable. A decision favorable to the employee means the employee shall receive their merit step effective (including retro-active pay) to their date of position. Evaluation step increases will stop when an employee reaches Step 13 on the included pay matrix.

The provisions of this Article shall expire on the last day of this Agreement, provided that any employee denied a merit pay increase during the duration of this agreement shall be entitled to an appeal under this Article.

Memorandum of Understanding

Uniform requirements for entry level Firefighters and Promotions. Firefighters;

• Complete Class A Uniform

Station Uniforms;

- Four pairs of long pants
- Four pairs of short pants
- Four long sleeve shirts
- Four short sleeve shirts
- Required foot gear
- Belt

Promotions to Lieutenant

- Blouse Coat
- Pants
- Hat
- Officers Insignia

Promotions to Captain

• Officers Insignia

MEMORANDUM OF UNDERSTANDING

AGREEMENT made this _ day of Mbe between the Manchester Professional Fire Fighters Association, IAFF Local 856 ("the Union") and the City of Manchester ("the City"), to wit:

- 1. The Parties desire to change the manner in which any employee accepts a City payment of \$1,500.00 annually in lieu of health insurance coverage as provided for in Article 22.2.
- 2. Effective July 1, 2010, the City shall make payment of the \$1,500.00 payment in two (2) equal payments of \$750.00, the first payable in arrears in January/February and the second in arrears in July/August. Employees who encounter a qualifying event so as to make them eligible for enrollment in the City's health insurance plans during either six month period will receive a pro rata amount based on the next \$750.00 payment. Employees will be able to enroll in the City plans notwithstanding a qualifying event in the annual open enrollment period.

WHEREFORE, the Parties have executed this Agreement on the date first cited above by their authorized representatives.

Manchester Professional Fire Fighters Association, IAFF Local 856

City of Manchester

MEMORANDUM OF AGREEMENT

WHEREAS, the Parties desire to provide a health insurance program designed to meet the health needs of the members of the Unit and their families and the desire of both Parties to effectively manage costs incurred as a result of the purchase of these health insurance plans, the Parties agree to amend the Collective Bargaining Agreement as follows:

Amend Article 22.1 Health Insurance, by adding the following:

Effective July 1, 2010, or date of ratification, whichever occurs later, bargaining unit members may enroll in the Blue Choice NE* or in the Access Blue NE HMO Plan* or a Blue Cross/Blue Shield High Deductible/HSA Plan.

Amend Article 22.2 Hospital/Medical Insurance, by adding a new paragraph

Effective July 1, 2010, the City may offer a third option which will be a high deductible health insurance plan accompanied by the establishment of a Health Savings Account (HSA) for each enrolled employee with an initial City contribution to the HSA of \$1,500.00 for an individual and \$3,000.00 for a family. The City retains the right to set the annual contribution and shall each year prior to the open enrollment period disclose any changes to the high deductible benefit plan and/or its anticipated contribution to HSAs or continuation of the HSA in the following fiscal year. Members availing themselves to this third option shall continue to pay a contribution to premium of five percent (5%). Employees will continue to be charged on the basis of a single two-person or family plan irrespective of the single/family designation in the plan itself.

WHEREFORE, intending to be bound by their mutual promises, the Parties have executed this Agreement on the date first cited above by their authorized representatives.

Manchester Professional Fire Fighters Association, IAFF

Local 856

Ryan Cashin, President

* Same plans as noted in CBA, but with different names.

City of Manchester

MEMORANDUM OF UNDERSTANDING

BETWEEN

THE CITY OF MANCHESTER, NEW HAMPSHIRE AND THE

MANCHESTER PROFESSIONAL FIREFIGHTERS ASSOCIATION, LOCAL 856,

INTERNATIONAL ASSOCIATION OF FIREFIGHTERS

FOR THE PERIOD COVERING JULY 1, 2007 TO JUNE 30, 2010

- Upon ratification by the Board of Mayor and Aldermen, and the members of the Local 856, salary schedules originally scheduled to increase by three percent (3.0%) on July 1, 2009 (Article 12.1) shall instead be increased by three percent (3.0%) on January 1, 2010.
- 2. Any member of the Local 856 bargaining unit who retires from August 1, 2009 to July 1, 2010 will receive additional compensation necessary to make the salary adjustment of three percent (3.0%) retroactive to July 1, 2009.
- Any member of the Local 856 bargaining unit who retires from August 1, 2010 to December 31, 2010 will receive a pro-rata amount necessary to make the COLA effective for a full 12 months.
- 4. On July 1, 2010, salary schedules shall be increased by one and one half percent (1.5%).
- 5. On July 1, 2011, salary schedules shall be increased by two and one half percent (2.5%).
- 6. On July 1, 2012, salary schedules shall be increased by two and one half percent (2.5%).
- The salary schedules herein shall be incorporated into a new three year agreement to be ratified by the parties covering the period from July 1, 2010 to June 30, 2013.

For the Union:

DATE: 6-25-09

For the City of Manchester:

DATE: 6/25/2009

GRADE	STEP 1	STEP 2	STEP 3	STEP 4	STEP 5	STEP 6	STEP 7	STEP 8	STEP 9	STEP 10	STEP 11	STEP 12	STEP 13
GRADE 1 Ex	13,496.22 6.56 9.840	13,901.12 6.75 10.125	14,318.14 6.96 10.440	14,747.70 7.17 10.755	15,190.13 7.38 11.070	15,645.83 7.59 11.385	16,115.22 7.83 11.745	16,598.66 8.06 12.090	17,096.61 8.30 12.450	17,609.51 8.56 12.840	18,137.81 8.81 13.215	18,681.95 9.07 13.605	19,242.40 9.36 14.040
GRADE 1A Ex H O	13,968.59 6.72 10.080	14,387.67 6.92 10.380	14,819.27 7.13 10.695	15,263.86 7.34 11.010	15,721.77 7.57 11.355	16,193.41 7.79 11.685	16,679.24 8.02 12.030	17,179.62 8.27 12.405	17,695.01 8.50 12.750	18,225.84 8.76 13.140	18,772.63 9.02 13.530	19,335.81 9.31 13.965	19,915.88 9.57 14.355
GRADE 2 Ex H O	14,440.96 6.93 10.395	14,874.19 7.16 10.740	15,320.43 7.36 11.040	15,780.04 7.59 11.385	16,253.45 7.82 11.730	16,741.05 8.05 12.075	17,243.25 8.31 12.465	17,760.55 8.56 12.840	18,293.39 8.81 13.215	18,842.18 9.07 13.605	19,407.44 9.36 14.040	19,989.66 9.63 14.445	20,589.37 9.92 14.880
GRADE 2A EX H	14,946.40 7.21 10.815	15,394.80 7.40 11.100	15,856.63 7.63 11.445	16,332.32 7.86 11.790	16,822.30 8.09 12.135	17,326.96 8.34 12.510	17,846.77 8.59 12.885	18,382.19 8.84 13.260	18,933.66 9.10 13.650	19,501.64 9.39 14.085	20,086.70 9.66 14.490	20,689.32 9.96 14.940	21,310.00 10.25 15.375
GRADE 3 Ex (6A0) H	15,451.83 7.43 11.145	15,915.38 7.65 11.475	16,392.85 7.89 11.835	16,884.65 8.13 12.195	17,391.16 8.37 12.555	17,912.90 8.62 12.930	18,450.30 8.87 13.305	19,003.81 9.14 13.710	19,573.94 9.42 14.130	20,161.13 9.69 14.535	20,765.99 9.99 14.985	21,388.95 10.30 15.450	22,030.62 10.60 15.900
GRADE 3A Ex (6AA) H O	15,992.64 7.68 11.520	16,472.42 7.92 11.880	16,966.60 8.16 12.240	17,475.61 8.40 12.600	17,999.88 8.66 12.990	18,539.85 8.92 13.380	19,096.05 9.19 13.785	19,668.93 9.47 14.205	20,259.01 9.74 14.610	20,866.79 10.04 15.060	21,492.79 10.34 15.510	22,137.57 10.66 15.990	22,801.69 10.99 16.485
GRADE 4 Ex (680) H	16,533.45 7.97 11.955	17,029.46 8.21 12.315	17,540.34 8.44 12.660	18,066.55 8.71 13.065	18,608.55 8.96 13.440	19,166.80 9.23 13.845	19,741.83 9.51 14.265	20,334.06 9.78 14.670	20,944.10 10.08 15.120	21,572.42 10.40 15.600	22,219.59 10.70 16.050	22,886.17 11.03 16.545	23,572.77 11.36 17.040
GRADE 4A Ex (6BA) H	17,112.15 8.22 12.330	17,625.48 8.48 12.720	18,154.27 8.74 13.110	18,698.90 8.99 13.485	19,259.87 9.28 13.920	19,837.66 9.54 14.310	20,432.78 9.84 14.760	21,045.75 10.12 15.180	21,677.14 10.44 15.660	22,327.44 10.75 16.125	22,997.26 11.07 16.605	23,687.19 11.41 17.115	24,397.81 11.74 17.610
GRADE 5 Ex (6C0) H	17,690.80 8.52 12.780	18,221.50 8.77 13.155	18,768.19 9.02 13.530	19,331.22 9.31 13.965	19,911.15 9.57 14.355	20,508.50 9.88 14.820	21,123.74 10.16 15.240	21,757.46 10.47 15.705	22,410.19 10.78 16.170	23,082.47 11.10 16.650	23,774.96 11.44 17.160	24,488.20 11.78 17.670	25,222.86 12.14 18.210
GRADE 5A Ex (6CA) H	18,309.98 8.80 13.200	18,859.27 9.08 13.620	19,425.04 9.37 14.055	20,007.81 9.64 14.460	20,608.04 9.94 14.910	21,226.28 10.23 15.345	21,863.08 10.54 15.810	22,518.97 10.84 16.260	23,194.54 11.17 16.755	23,890.37 11.52 17.280	24,607.09 11.86 17.790	25,345.29 12.21 18.315	26,105.65 12.59 18.885
GRADE 6 Ex (6D0) H	18,929.15 9.11 13.665	19,497.02 9.40 14.100	20,081.93 9.67 14.505	20,684.39 9.97 14.955	21,304.93 10.26 15.390	21,944.08 10.57 15.855	22,602.42 10.87 16.305	23,280.50 11.20 16.800	23,978.89 11.55 17.325	24,698.27 11.89 17.835	25,439.21 12.24 18.360	26,202.39 12.63 18.945	26,988.44 12.99 19.485

L C)						
GRADE	SIEPT	SIEPZ	SIEP 3	STEP 4	STEP 5	STEP 6	STEP 7	STEP 8	STEP 9	STEP 10	STEP 11	STEP 12	STEP 13
GRADE 6A Ex	19,591.68	20,179.43	20,784.81	21,408.35	22.050.61	22.712.12	23.393.49	24.095.30	24 818 14	25.562.70	26.329.59	27 119 46	27 933 05
(6DA) H		9.70	10.00	10.31	10.62	10.94	11.26	11.60	11.94	12.29	12.68	13.04	13.44
0	14.130	14.550	15.000	15.465	15.930	16.410	16.890	17.400	17.910	18.435	19.020	19.560	20.160
GRADE 7 EV	20 254 20	20 BE1 83	21 487 60	22 122 22	22 706 20	22 470 02	24 404 50	0.00	1	07 00	0.00	000	1
		10.03	10.34	10.52	40.00	41 31	44.54	24,910.10	14.750,62	40.73	49.49	28,036.55	28,877.63
	14	15.045	15.510	15.990	16.470	16.965	17.460	17.970	18.495	19.095	19.650	20.250	13.90
20 AV 70 AU	20.062.40	24 500 00	200000	00000				9	1				
		40.40	40.70	44.03	44.13	24,301.95	25,031.05	40.180	26,555.42	27,352.08	28,172.65	29,017.85	29,888.37
		15.600	16.050	16.545	17.055	17.550	18.090	18.615	19.170	13.17	13.56 20.340	13.96	14.37
9 10 00	24 672 00	27 277 45	200.00	4	20000	7		0					
_	7.17	61.776,77	79.186,27	23,001.38	24,392.03	62,123,79	25,877,49	26,653.83	27,453.44	28,277.04	29,125.33	29,999.13	30,899.07
(6F0) H	10.43	10.74	11.06	11.40	11.73	12.09	12.45	12.82	13.21	13.61	14.02	14.42	14.88
•	13.043	0.1.0	080.01	17.100	C6C.71	18.135	18.675	19.230	19.815	20.415	21.030	21.630	22.320
GRADE 8A Ex	22,430.50	23,103.43	23,796.53	24,510.43	25,245.75	26,003.12	26,783.20	27,586.71	28,414.30	29,266.73	30,144.74	31,049.08	31,980.58
(6FA) H	10.77	11.09	11.44	11.78	12.15	12.50	12.88	13.27	13.67	14.08	14.50	14.95	15.39
0	16.155	16.635	17.160	17.670	18.225	18.750	19.320	19.905	20.505	21.120	21.750	22.425	23.085
GRADE 9 Ex	23,189.04	23.884.72	24.601.26	25,339,29	26.099.47	26.882.44	27,688,91	28 519 59	29.375.18	30 256 44	31 164 12	32 000 05	33 062 02
		11.51	11.85	12.20	12.58	12.95	13.34	13.75	14 17	14.60	15.02	15.47	15 94
Ū		17.265	17.775	18.300	18.870	19.425	20.010	20.625	21.255	21.900	22.530	23.205	23.910
20 40 000	24 000 66	99 002 80	00 000	2000	070	000	0	1					
	7,47	44.00	25,462.30	50,22,02	66.210,72	27,023.33	20,858,05	67.710.67	30,403.31	31,315.40	32,254.86	33,222.53	34,219.20
(450)		69.1.1	12.24	12.63	12.99	13.38	13.80	14.21	14.64	15.06	15.52	16.00	16.46
0	17.325	17.835	18.360	18.945	19.485	20.070	20.700	21.315	21.960	22.590	23.280	24.000	24.690
GRADE 10 Ex	24,812.26	25,556.65	26,323.32	27,113.05	27,926.42	28,764.24	29,627.14	30,515.98	31,431.45	32,374.38	33,345.62	34,345.99	35,376.35
н (0Н9)	11.92	12.27	12.66	13.02	13.41	13.84	14.25	14.69	15.11	15.56	16.04	16.50	17.01
0	17.880	18.405	18.990	19.530	20.115	20.760	21.375	22.035	22.665	23.340	24.060	24.750	25.515
GRADE 10A Ex	25,680.69	26,451.12	27,244.65	28,062.00	28,903.85	29,770.97	30,664.09	31,584.04	32,531,55	33.507.48	34.512.72	35.548.09	36.614.53
(6HA) H		12.74	13.11	13.51	13.91	14.32	14.75	15.18	15.64	16.11	16.60	17.10	17.61
0	18.495	19.110	19.665	20.265	20.865	21.480	22.125	22.770	23.460	24.165	24.900	25.650	26.415
GRADE 11 Ex	26,549.12	27,345.59	28,165.97	29,010.94	29.881.28	30.777.72	31.701.06	32.652.07	33.631.62	34.640.58	35.679.80	36.750.22	37.852.69
H (019)		13.15	13.55	13.95	14.36	14.80	15.26	15.71	16.17	16.66	17.16	17.68	18.21
0	19.170	19.725	20.325	20.925	21.540	22.200	22.890	23.565	24.255	24.990	25.740	26.520	27.315
GRADE 11A Ex	27.478.33	28.302.70	29.151.77	30.026.33	30.927.12	31.854.93	32,810,59	33 794 90	34 808 72	35 853 02	36 928 59	38 036 46	39 177 54
(6IA) H		13.62	14.03	14.44	14.90	15.34	15.80	16.28	16.77	17.27	17.78	18.32	18.87
0	19.830	20.430	21.045	21.660	22.350	23.010	23.700	24.420	25.155	25.905	26.670	27.480	28.305

GRADE	STEP 1	STEP 2	STEP 3	STEP 4	STEP 5	STEP 6	STEP 7	STEP 8	STEP 9	STEP 10	STEP 11	STEP 12	STEP 13
GRADE 12 Ex (6J0) H	28,407.57	29,259.77	30,137.56	31,041.70	31,972.97	32,932.15 15.84	33,920.12	34,937.70	35,985.84	37,065.44	38,177.38	39,322.71	40,502.40
GRADE 12A Ex (6JA) H	29,401.82	30,283.91	31,192.42	32,128.17	33,091.99 15.92	34,084.78	35,107.31	36,160.53	37,245.34 17.92	38,362.72 18.46	39,513.62 19.02	40,699.00 19.58	29.235
GRADE 13 Ex (6K0) H	30,396.08 14.63 21.945	31,307.99 15.05 22.575	32,247.22 15.50 23.250	33,214.62 15.99 23.985	34,211.06 16.45 24.675	35,237.40 16.96 25.440	36,294.52 17.46 26.190	37,383.35 18.00 27.000	38,504.84 18.52 27.780	39,660.01 19.09 28.635	40,849.83 19.65 29.475	23.370 42,075.29 20.25 30.375	30.255 43,337.58 20.85 31.275
GRADE 13A Ex (6KA) H	31,459.96 15.11 22.665	32,403.75 15.57 23.355	33,375.88 16.06 24.090	34,377.15 16.53 24.795	35,408.46 17.03 25.545	36,470.72 17.54 26.310	37,564.82 18.08 27.120	38,691.78 18.60 27.900	39,852.53 19.17 28.755	41,048.11 19.75 29.625	42,279.54 20.34 30.510	43,547.96 20.94 31.410	44,854.37 21.58 32.370
GRADE 14 Ex (6L0) H	32,523.84 15.62 23.430	33,499.55 16.11 24.165	34,504.53 16.60 24.900	35,539.66 17.09 25.635	36,605.84 17.59 26.385	37,704.01 18.13 27.195	38,835.15 18.68 28.020	40,000.21 19.23 28.845	41,200.20 19.81 29.715	42,436.21 20.41 30.615	43,709.27 21.03 31.545	45,020.58 21.66 32.490	46,371.20 22.32 33.480
GRADE 14A Ex (6LA) H	33,662.17 16.17 24.255	34,672.02 16.67 25.005	35,712.19 17.17 25.755	36,783.53 17.69 26.535	37,887.05 18.22 27.330	39,023.64 18.77 28.155	40,194.38 19.33 28.995	41,400.22 19.90 29.850	42,642.21 20.50 30.750	43,921.48 21.13 31.695	45,239.12 21.76 32.640	46,596.29 22.41 33.615	47,994.16 23.07 34.605
GRADE 15 Ex (6M0) H	34,800.49 16.73 25.095	35,844.51 17.23 25.845	36,919.84 17.75 26.625	38,027.44 18.30 27.450	39,168.25 18.85 28.275	40,343.31 19.41 29.115	41,553.61 20.00 30.000	42,800.22 20.58 30.870	44,084.22 21.21 31.815	45,406.75 21.84 32.760	46,768.95 22.49 33.735	48,172.01 23.16 34.740	49,617.16 23.86 35.790
GRADE 15A Ex (6MA) H O	36,018.51 17.34 26.010	37,099.06 17.83 26.745	38,212.02 18.38 27.570	39,358.40 18.94 28.410	40,539.14 19.52 29.280	41,755.32 20.11 30.165	43,007.99 20.70 31.050	44,298.23 21.32 31.980	45,627.17 21.94 32.910	46,995.98 22.60 33.900	48,405.86 23.30 34.950	49,858.04 23.99 35.985	51,353.77 24.71 37.065
GRADE 16 Ex (6N0) H	37,236.53 17.91 26.865	38,353.62 18.45 27.675	39,504.22 19.02 28.530	40,689.34 19.58 29.370	41,910.04 20.17 30.255	43,167.33 20.77 31.155	44,462.35 21.39 32.085	45,796.22 22.02 33.030	47,170.11 22.70 34.050	48,585.22 23.39 35.085	50,042.77 24.08 36.120	51,544.05 24.80 37.200	53,090.37 25.55 38.325
GRADE 16A Ex (6NA) H O	38,539.80 18.52 27.780	39,695.99 19.09 28.635	40,886.87 19.65 29.475	42,113.50 20.25 30.375	43,376.88 20.87 31.305	44,678.19 21.50 32.250	46,018.55 22.17 33.255	47,399.08 22.82 34.230	48,821.07 23.50 35.250	50,285.70 24.19 36.285	51,794.27 24.94 37.410	53,348.09 25.69 38.535	54,948.53 26.46 39.690
GRADE 17 Ex (600) H	39,843.08 19.16 28.740	41,038.38 19.74 29.610	42,269.52 20.33 30.495	43,537.61 20.93 31.395	44,843.74 21.57 32.355	46,189.06 22.23 33.345	47,574.71 22.89 34.335	49,001.97 23.57 35.355	50,472.01 24.28 36.420	51,986.17 25.01 37.515	53,545.75 25.75 38.625	55,152.14 26.52 39.780	56,806.69 27.31 40.965

GRADE	STEP 1	STEP 2	STEP 3	STEP 4	STEP 5	STEP 6	STEP 7	STEP 8	STEP 9	STEP 10	STEP 11	STEP 12	STEP 13
GRADE 17A Ex (60A) H	41,237.61 19.82 29.730	42,474.71 20.42 30.630	43,748.96 21.04 31.560	45,061.42 21.67 32.505	46,413.25 22.33 33.495	47,805.66 22.99 34.485	49,239.83 23.67 35.505	50,717.02 24.39 36.585	52,238.55 25.11 37.665	53,805.71 25.86 38.790	55,419.86 26.67 40.005	57,082.45 27.45 41.175	58,794.93 28.27 42.405
GRADE 18 Ex (6P0) H	42,632.09 20.49 30.735	43,911.05 21.12 31.680	45,228.38 21.74 32.610	46,585.24 22.39 33.585	47,982.80 23.06 34.590	49,422.28 23.76 35.640	50,904.96 24.49 36.735	52,432.11 25.21 37.815	54,005.06 25.98 38.970	55,625.20 26.78 40.170	57,293.96 27.58 41.370	59,012.79 28.41 42.615	60,783.15 29.25 43.875
GRADE 18A Ex (6PA) H	44,124.22 21.22 31.830	45,447.93 21.85 32.775	46,811.39 22.50 33.750	48,215.74 23.18 34.770	49,662.19 23.88 35.820	51,152.06 24.60 36.900	52,686.61 25.34 38.010	54,267.22 26.11 39.165	55,895.25 26.88 40.320	57,572.09 27.68 41.520	59,299.27 28.51 42.765	61,078.23 29.35 44.025	62,910.59 30.26 45.390
GRADE 19 Ex (6Q0) H	45,616.34 21.93 32.895	46,984.84 22.59 33.885	48,394.37 23.28 34.920	49,846.20 23.97 35.955	51,341.59 24.68 37.020	52,881.85 25.44 38.160	54,468.30 26.20 39.300	56,102.35 26.98 40.470	57,785.42 27.80 41.700	59,518.97 28.62 42.930	61,304.55 29.50 44.250	63,143.69 30.37 45.555	65,037.99 31.29 46.935
GRADE 19A Ex (6QA) H	47,212.91 22.72 34.080	48,629.30 23.41 35.115	50,088.17 24.10 36.150	51,590.82 24.82 37.230	53,138.55 25.57 38.355	54,732.71 26.32 39.480	56,374.66 27.11 40.665	58,065.94 27.93 41.895	59,807.90 28.78 43.170	61,602.14 29.65 44.475	63,450.20 30.52 45.780	65,353.72 31.43 47.145	67,314.32 32.39 48.585
GRADE 20 Ex (GR0) H	48,809.48 23.47 35.205	50,273.74 24.16 36.240	51,781.96 24.90 37.350	53,335.44 25.67 38.505	54,935,50 26.44 39.660	56,583.57 27.23 40.845	58,281.08 28.04 42.060	60,029.51 28.90 43.350	61,830.39 29.75 44.625	63,685.30 30.64 45.960	65,595.86 31.56 47.340	67,563.73 32.50 48.750	69,590.65 33.48 50.220
GRADE 20A Ex (6RA) H	50,517.81 24.31 36.465	52,033.35 25.04 37.560	53,594.35 25.78 38.670	55,202.19 26.55 39.825	56,858.25 27.34 41.010	58,564.00 28.17 42.255	60,320.90 29.02 43.530	62,130.53 29.89 44.835	63,994.45 30.80 46.200	65,914.27 31.71 47.565	67,891.72 32.65 48.975	69,928.47 33.64 50.460	72,026.30 34.64 51.960
GRADE 21 Ex (6S0) H	52,226.14 25.10 37.650	53,792.92 25.86 38.790	55,406.71 26.66 39.990	57,068.93 27.44 41.160	58,780.98 28.26 42.390	60,544.43 29.13 43.695	62,360.74 30.00 45.000	64,231.56 30.90 46.350	66,158.51 31.83 47.745	68,143.27 32.77 49.155	70,187.58 33.75 50.625	72,293.19 34.76 52.140	74,462.01 35.81 53.715
GRADE 21A Ex (6SA) H	54,054.05 26.00 39.000	55,675.69 26.80 40.200	57,345.96 27.60 41.400	59,066.33 28.43 42.645	60,838.32 29.27 43.905	62,663.47 30.17 45.255	64,543.36 31.06 46.590	66,479.69 31.99 47.985	68,474.06 32.97 49.455	70,528.29 33.95 50.925	72,644.13 34.96 52.440	74,823.47 36.01 54.015	77,068.15 37.09 55.635
GRADE 22 Ex (6T0) H	55,881.97 26.87 40.305	57,558.42 27.67 41.505	59,285.17 28.50 42.750	61,063.75 29.34 44.010	62,895.65 30.25 45.375	64,782.55 31.15 46.725	66,726.00 32.07 48.105	68,727.78 33.05 49.575	70,789.61 34.04 51.060	72,913.30 35.08 52.620	75,100.68 36.12 54.180	77,353.73 37.21 55.815	79,674.32 38.33 57.495
GRADE 22A Ex (6TA) H O	57,837.84 27.82 41.730	59,572.98 28.64 42.960	61,360.19 29.52 44.280	63,200.96 30.39 45.585	65,097.00 31.31 46.965	67,049.92 32.27 48.405	69,061.42 33.20 49.800	71,133.23 34.21 51.315	73,267.26 35.23 52.845	75,465.26 36.29 54.435	77,729.24 37.37 56.055	80,061.11 38.49 57.735	82,462.94 39.66 59.490

GRADE	STEP 1	STEP 2	STEP 3	STEP 4	STEP 5	STEP 6	STEP 7	STEP 8	STEP 9	STEP 10	STEP 11	STEP 12	STEP 13
GRADE 23 Ex (6U0) H	59,793.71 28.72 43.080	61,587.52 29.63 44.445	63,435.16 30.50 45.750	65,338.19 31.41 47.115	67,298.37 32.37 48.555	69,317.28 33.35 50.025	71,396.82 34.34 51.510	73,538.73 35.35 53.025	75,744.89 36.43 54.645	78,017.24 37.51 56.265	80,357.75 38.63 57.945	82,768.48 39.79 59.685	85,251.53 41.00 61.500
GRADE 23A EX (6UA) H	61,886.49 29.75 44.625	63,743.09 30.64 45.960	65,655.38 31.56 47.340	67,625.03 32.51 48.765	69,653.79 33.50 50.250	71,743.42 34.51 51.765	73,895.70 35.54 53.310	76,112.58 36.60 54.900	78,395.96 37.70 56.550	80,747.83 38.82 58.230	83,170.26 39.99 59.985	85,665.37 41.19 61.785	88,235.33 42.43 63.645
GRADE 24 Ex (6V0) H	63,979.27 30.76 46.140	65,898.64 31.68 47.520	67,875.63 32.63 48.945	69,911.89 33.61 50.415	72,009.23 34.62 51.930	74,169.52 35.67 53.505	76,394.58 36.73 55.095	78,686.43 37.84 56.760	81,047.03 38.98 58.470	83,478.45 40.13 60.195	85,982.78 41.34 62.010	88,562.27 42.60 63.900	91,219.15 43.87 65.805
GRADE 24A Ex (6VA) H	66,218.56 31.84 47.760	68,205.11 32.79 49.185	70,251.26 33.76 50.640	72,358.80 34.78 52.170	74,529.56 35.83 53.745	76,765.44 36.91 55.365	79,068.41 38.01 57.015	81,440.45 39.15 58.725	83,883.67 40.34 60.510	86,400.18 41.55 62.325	88,992.18 42.79 64.185	91,661.96 44.07 66.105	94,411.81 45.39 68.085
GRADE 25 Ex (6W0) H	68,457.82 32.92 49.380	70,511.55 33.90 50.850	72,626.90 34.91 52.365	74,805.70 35.97 53.955	77,049.88 37.04 55.560	79,361.40 38.16 57.240	81,742.22 39.32 58.980	84,194.48 40.49 60.735	86,720.34 41.70 62.550	89,321.93 42.95 64.425	92,001.59 44.24 66.360	94,761.64 45.55 68.325	97,604.49 46.93 70.395
GRADE 25A Ex (6WA) H	70,853.85 34.07 51.105	72,979.47 35.10 52.650	75,168.82 36.15 54.225	77,423.91 37.23 55.845	79,746.63 38.35 57.525	82,139.01 39.50 59.250	84,603.20 40.69 61.035	87,141.29 41.91 62.865	89,755.55 43.17 64.755	92,448.20 44.46 66.690	95,221.66 45.80 68.700	98,078.29 47.17 70.755	101,020.65 48.58 72.870
GRADE 26 Ex (6X0) H	73,249.86 35.23 52.845	75,447.37 36.29 54.435	77,710.79 37.37 56.055	80,042.10 38.49 57.735	82,443.36 39.65 59.475	84,916.68 40.83 61.245	87,464.18 42.06 63.090	90,088.11 43.31 64.965	92,790.74 44.62 66.930	95,574.47 45.96 68.940	98,441.69 47.33 70.995	101,394.96 48.75 73.125	104,436.78 50.21 75.315
GRADE 26A EX (6XA) H	75,813.63 36.46 54.690	78,088.03 37.56 56.340	80,430.67 38.68 58.020	82,843.59 39.84 59.760	85,328.89 41.04 61.560	87,888.75 42.25 63.375	90,525.42 43.53 65.295	93,241.18 44.85 67.275	96,038.43 46.19 69.285	98,919.57 47.58 71.370	101,887.15 48.99 73.485	104,943.75 50.48 75.720	108,092.10 51.99 77.985
GRADE 27 Ex (6Y0) H _I	78,377.36 37.69 56.535	80,728.67 38.81 58.215	83,150.55 39.98 59.970	85,645.05 41.18 61.770	88,214.41 42.42 63.630	90,860.84 43.70 65.550	93,586.66 44.99 67.485	96,394.28 46.34 69.510	99,286.08 47.74 71.610	102,264.66 49.18 73.770	105,332.62 50.64 75.960	108,492.59 52.17 78.255	111,747.39 53.74 80.610
GRADE 27A Ex (6YA) H	81,120.57 39.01 58.515	83,554.17 40.16 60.240	86,060.81 41.37 62.055	88,642.63 42.63 63.945	91,301.91 43.90 65.850	94,040.97 45.22 67.830	96,862.19 46.57 69.855	99,768.05 47.98 71.970	102,761.12 49.41 74.115	105,843.94 50.88 76.320	109,019.24 52.42 78.630	112,289.82 53.99 80.985	115,658.52 55.61 83.415
GRADE 28 Ex (620) H	83,863.78 40.32 60.480	86,379.69 41.53 62.295	88,971.06 42.77 64.155	91,640.23 44.06 66.090	94,389.42 45.38 68.070	97,221.12 46.73 70.095	100,137.73 48.15 72.225	103,141.86 49.59 74.385	106,236.12 51.08 76.620	109,423.20 52.63 78.945	112,705.89 54.21 81.315	116,087.08 55.84 83.760	119,569.71 57.51 86.265

GRADE	STEP 1	STEP 2	STEP 3	STEP 4	STEP 5	STEP 6	STEP 7	STEP 8	STEP 9	STEP 10	STEP 11	STEP 12	STEP 13
GRADE 28A Ex (6ZA) H	86,799.01 41.73 62.595	89,402.97 43.00 64.500	92,085.05 44.28 66.420	94,847.64 45.60 68.400	97,693.05 46.98 70.470	100,623.84 48.39 72.585	103,642.56 49.83 74.745	106,751.83 51.33 76.995	109,954.39 52.86 79.290	113,253.02 54.44 81.660	116,650.59 56.08 84.120	120,150.15 57.76 86.640	123,754.64 59.50 89.250
GRADE 29 Ex (600) H	89,734.22 43.16 64.740	92,426.27 44.45 66.675	95,199.05 45.79 68.685	98,055.03 47.16 70.740	100,996.67 48.57 72.855	104,026.57 50.03 75.045	107,147.39 51.54 77.310	110,361.79 53.08 79.620	113,672.64 54.69 82.035	117,082.83 56.32 84.480	120,595.33 58.01 87.015	124,213.17 59.73 89.595	127,939.57 61.53 92.295
GRADE 29A Ex (60A) H	92,874.93 44.65 66.975	95,661.17 46.00 69.000	98,531.02 47.38 71.070	101,486.97 48.80 73.200	104,531.56 50.27 75.405	107,667.51 51.78 77.670	110,897.54 53.34 80.010	114,224.46 54.94 82.410	117,651.19 56.59 84.885	121,180.73 58.27 87.405	124,816.15 60.03 90.045	128,560.63 61.82 92.730	132,417.46 63.68 95.520
GRADE 30 Ex (610) H	96,015.61 46.15 69.225	98,896.11 47.54 71.310	101,862.98 48.97 73.455	104,918.89 50.46 75.690	108,066.43 51.96 77.940	111,308.43 53.52 80.280	114,647.68 55.11 82.665	118,087.12 56.79 85.185	121,629.73 58.48 87.720	125,278.63 60.26 90.390	129,036.99 62.06 93.090	132,908.09 63.90 95.850	136,895.32 65.83 98.745
GRADE 30A Ex (61A) H	99,376.17 47.79 71.685	102,357.47 49.23 73.845	105,428.19 50.71 76.065	108,591.04 52.22 78.330	111,848.78 53.80 80.700	115,204.23 55.41 83.115	118,660.35 57.07 85.605	122,220.17 58.79 88.185	125,886.78 60.54 90.810	129,663.38 62.36 93.540	133,553.28 64.23 96.345	137,559.87 66.15 99.225	141,686.66 68.15 102.225
GRADE 31 Ex (620) H	102,736.73 49.40 74.100	105,818.84 50.87 76.305	108,993.40 52.40 78.600	112,263.21 53.97 80.955	115,631.09 55.59 83.385	119,100.04 57.25 85.875	122,673.03 58.97 88.455	126,353.22 60.74 91.110	130,143.82 62.57 93.855	134,048.14 64.46 96.690	138,069.57 66.41 99.615	142,211.54 68.39 102.585	146,478.02 70.43 105.645
GRADE 31A Ex (62A) H O	106,332.52 51.12 76.680	109,522.49 52.66 78.990	112,808.16 54.24 81.360	116,192.41 55.88 83.820	119,678.18 57.55 86.325	123,268.52 59.28 88.920	126,966.57 61.06 91.590	130,775.58 62.87 94.305	134,698.84 64.77 97.155	138,739.82 66.70 100.050	142,902.00 68.72 103.080	147,189.06 70.78 106.170	151,604.75 72.91 109.365
GRADE 32 Ex (630) H O	109,928.32 52.84 79.260	113,226.15 54.43 81.645	116,622.93 56.07 84.105	120,121.62 57.75 86.625	123,725.26 59.49 89.235	127,437.03 61.28 91.920	131,260.13 63.11 94.665	135,197.93 65.00 97.500	139,253.87 66.96 100.440	143,431.50 68.96 103.440	147,734.43 71.03 106.545	152,166.46 73.17 109.755	156,731.46 75.36 113.040
GRADE 32A Ex (63A) H	54.71 54.71 82.065	117,189.06 56.36 84.540	120,704.75 58.06 87.090	124,325.88 59.79 89.685	128,055.67 61.57 92.355	131,897.33 63.42 95.130	135,854.25 65.35 98.025	139,929.87 67.28 100.920	144,127.77 69.30 103.950	148,451.59 71.38 107.070	152,905.14 73.53 110.295	157,492.29 75.73 113.595	162,217.07 78.00 117.000
GRADE 33 Ex (640) H	117,623.26 56.55 84.825	121,151.99 58.24 87.360	124,786.54 60.01 90.015	128,530.13 61.80 92.700	132,386.04 63.66 95.490	136,357.61 65.56 98.340	140,448.34 67.54 101.310	144,661.78 69.56 104.340	149,001.64 71.64 107.460	153,471.68 73.79 110.685	158,075.88 76.01 114.015	162,818.11 78.30 117.450	167,702.68 80.63 120.945
GRADE 33A Ex (64A) H O	121,740.09 58.52 87.780	125,392.30 60.29 90.435	129,154.08 62.10 93.150	133,028.69 63.96 95.940	137,019.55 65.88 98.820	141,130.13 67.85 101.775	145,364.02 69.89 104.835	149,724.93 71.98 107.970	154,216.70 74.15 111.225	158,843.22 76.36 114.540	163,608.51 78.66 117.990	168,516.77 81.04 121.560	173,572.27 83.45 125.175

GRADE	STEP 1	STEP 2	STEP 3	STEP 4	STEP 5	STEP 6	STEP 7	STEP 8	STEP 9	STEP 10	STEP 11	STEP 12	STEP 13
GRADE 34 Ex	125,856.89	129,632.63	133,521.60	137,527.24	141,653.05	145,902.66	150,279.72	154.788.12	159.431.76	164.214.72	169.141.17	174.215.38	179.441.87
(650) H	60.50	62.32	64.20	66.12	68.11	70.15	72.26	74.42	76.66	78.96	81.33	83.78	86.29
0	90.750	93.480	96.300	99.180	102.165	105.225	108.390	111.630	114.990	118.440	121.995	125.670	129.435
GRADE 34A Ex	130,261.89	134,169.77	138,194.85	142,340.71	146,610.92	151,009.24	155,539.51	160,205.70	165,011.87	169,962.22	175,061.10	180,312.92	185,722.35
(65A) H	62.63	64.50	66.46	68.44	70.48	72.60	74.78	77.02	79.34	81.71	84.16	86.71	89.29
0	93.945	96.750	069'66	102.660	105.720	108.900	112.170	115.530	119.010	122.565	126.240	130.065	133,935
GRADE 35 Ex	134,666.88	138,706.89	142,868.10	147,154.15	151,568.77	156,115.84	160,799.31	165,623.28	170,591.98	175,709.75	180,981.06	186,410.43	192,002.80
H (099)	64.75	69'99	68.70	70.76	72.89	75.07	77.32	79.64	82.02	84.49	87.03	89.63	92.33
0	97.125	100.035	103.050	106.140	109.335	112.605	115.980	119.460	123.030	126.735	130.545	134.445	138.495
GRADE 35A Ex	139,380.22	143,561.66	147,868.48	152,304.55	156,873.68	161,579.89	166,427.28	171,420.10	176,562.70	181,859.58	187,315.41	192,934.82	198,722.90
(66A) H	67.01	69.02	71.09	73.22	75.41	69.77	80.02	82.43	84.90	87.43	90.06	92.76	95.54
0	100.515	103.530	106.635	109.830	113.115	116.535	120.030	123.645	127.350	131.145	135.090	139.140	143.310
GRADE 36 Ex	144,093.57	148,416.39	152,868.88	157,454.93	162,178.59	167,043.95	172,055.27	177,216.92	182,533.43	188,009.42	193,649.74	199,459.20	205,443.00
H (029)	69.28	71.35	73.50	75.70	77.97	80.32	82.73	85.21	87.79	90.41	93.12	95.91	98.78
0	103.920	107.025	110.250	113.550	116.955	120.480	124.095	127.815	131.685	135.615	139.680	143.865	148.170
GRADE 36A Ex	149,136.83	153,610.98	158,219.29	162,965.85	167,854.85	172,890.48	178,077.19	183,419.50	188,922.08	194,589.75	200,427.46	206,440.27	212,633.50
(67A) H	71.72	73.86	76.08	78.37	80.71	83.13	85.64	88.18	90.82	93.54	96.34	99.25	102.22
0	107.580	110.790	114.120	117.555	121.065	124.695	128.460	132.270	136.230	140.310	144.510	148.875	153.330

GRADE		STEP AL1	STEP AL2	STEP AL3	STEP AL4	STEP ALS	STEP AL6	STEP AL7
GRADE 1	Ä T O	19,819.67 9.63 14,445	20,414.25 9.92 14.880	21,026.68 10.20 15.300	21,657.49 10.52 15.780	22,307.22 10.83 16.245	22,976.42 11.15 16.725	23,665.72 11.49 17.235
GRADE 1A	M = 0	20,513.36 9.88 14.820	21,128.76 10.16 15.240	21,762.63 10.47 15.705	22,415.49 10.78 16.170	23,087.96 11.10 16.650	23,780.62 11.44 17.160	24,494.03 11.78 17.670
GRADE 2	Ω±ο	21,207.04 10.20 15.300	21,843.26 10.52 15.780	22,498.55 10.82 16.230	23,173.51 11.14 16.710	23,868.72 11.50 17.250	24,584.78 11.83 17.745	25,322.31 12.19 18.285
GRADE 2A	M T O	21,949.29 10.56 15.840	22,607.78 10.86 16.290	23,286.02 11.20 16.800	23,984.58 11.55 17.325	24,704.11 11.89 17.835	25,445.27 12.24 18.360	26,208.60 12.63 18.945
GRADE 3 (6A0)	M T O	22,691.53 10.90 16.350	23,372.29 11.23 16.845	24,073.46 11.58 17.370	24,795.65 11.92 17.880	25,539.52 12.27 18.405	26,305.68 12.66 18 <u>.</u> 990	27,094.88 13.02 19.530
GRADE 3A (6AA)	M T O	23,485.73 11.31 16.965	24,190.30 11.64 17.460	24,916.03 11.98 17.970	25,663.50 12.33 18.495	26,433.41 12.73 19.095	27,226.41 13.10 19.650	28,043.20 13.50 20.250
GRADE 4 (680)	A F O	24,279.95 11.69 17.535	25,008.33 12.04 18.060	25,758.59 12.40 18.600	26,531.35 12.77 19.155	27,327.29 13.14 19.710	28,147.11 13.54 20.310	28,991.52 13.94 20.910
GRADE 4A (6BA)	Ä T O	25,129.77 12.10 18.150	25,883.65 12.45 18.675	26,660.14 12.82 19.230	27,459.93 13.21 19.815	28,283.75 13.61 20.415	29,132.27 14.02 21.030	30,006.22 14.42 21.630
GRADE 5 (6C0)	M T O	25,979.54 12.49 18.735	26,758.92 12.87 19.305	27,561.69 13.26 19.890	28,388.54 13.65 20.475	29,240.19 14.06 21.090	30,117.40 14.48 21.720	31,020.92 14.93 22.395
GRADE 5A (6CA)	O EX	26,888.83 12.96 19.440	27,695.48 13.35 20.025	28,526.34 13.77 20.655	29,382.15 14.18 21.270	30,263.61 14.61 21.915	31,171.50 15.03 22.545	32,106.65 15.48 23.220
GRADE 6 (6D0)	M = O	27,798.10 13.38 20.070	28,632.05 13.80 20.700	29,491.01 14.21 21.315	30,375.75 14.64 21.960	31,287.02 15.06 22.590	32,225.62 15.52 23.280	33,192.40 16.00 24.000

28,771.05 29,6 13.85 20,775 29,743.98 30,6 14.31 21.465 21.465 30,785.01 31,7 15.32 22.980 22.200 31,826.06 32,7 15.86 23,939.97 33,9 16.97 25,4615 25,4615 25,465 36,437.65 37,5 16.97 25,455 36,437.65 37,5 17.52 26.280 37,712.96 38,8	29,634.18 14.26 21.390 30,636.29 14.74 22.110 31,708.56 15.26 22.890 32,780.84 15.78 23.670 33,928.17 16.33 24.495 35,075.50 16.92 25.380	30,523.18 14.70 22.050 31,555.39 15.17 22.755 32,659.82 15.71 23.565 33,764.26 16.25 24.375 34,946.00 16.83 25.245	31,438.90 15.12 22.680 32,502.05 15.63 23.445 33,639.64 16.17 24.255 34,777.19 16.73 25.095 35,994.39	32,382.05 15.58 23.370 33,477.10 16.10 24.150 34,648.79 16.66 24.990 35,820.51 17.22 25.830 37,074.21 17.83	33,353.53 16.06 24.090 34,481.40 16.59 24.885 35,688.26 17.16 25.740 36,895.11 17.74 26.610 38,186.45 18.37 27.555	34,354.14 16.53 24.795 35,515.87 17.07 25.605 36,758.94 17.68 26.520 38,001.98 18.28 27.420 39,332.03 18.93
28,771.05 29,6 13.85 20.775 20.775 20.775 21.465 21.465 21.465 21.465 22.200 22.200 22.200 22.980 23.790 23.790 24.615 24.615 25.455 25.455 25.455 25.455 25.455 25.455 25.450 25.210	29,634.18 14.26 21.390 30,636.29 14.74 22.110 31,708.56 15.26 22.890 32,780.84 15.78 23.670 33,928.17 16.33 24.495 35,075.50 16.92 25.380	30,523.18 14.70 22.050 31,555.39 15.17 22.755 32,659.82 15.71 23.565 33,764.26 16.25 24.375 34,946.00 16.83 25.245	31,438.90 15.12 22.680 32,502.05 15.63 23.445 33,639.64 16.17 24.255 34,777.19 16.73 25.095 35,994.39	32,382.05 15.58 23.370 33,477.10 16.10 24.150 34,648.79 16.66 24.990 35,820.51 17.22 25.830 37,074.21 17.83	33,353.53 16.06 24,090 34,481.40 16.59 24.885 35,688.26 17.16 25.740 36,895.11 17.74 26.610 38,186.45 18.37 27.555	34,354.14 16.53 24.795 35,515.87 17.07 25.605 36,758.94 17.68 26.520 38,001.98 18.28 27.420 39,332.03 18.93
13.85 20.775 20.775 20.775 20.775 21.465 21.465 21.465 22.200 22.200 22.200 22.200 22.980 22.980 22.980 22.980 22.980 22.980 22.980 22.980 22.980 22.980 22.980 22.980 22.980 22.980 22.980 23.790 25.455 25.455 25.455 26.280 27.712.96 38,988.29 40,1	14.26 21.390 30,636.29 14.74 22.110 31,708.56 15.26 22.890 32,780.84 15.78 23.670 33,928.17 16.33 24.495 35,075.50 16.92 25.380	14.70 22.050 31,555.39 15.17 22.755 32,659.82 15.71 23.565 33,764.26 16.25 24.375 34,946.00 16.83 25.245	15.12 22.680 32,502.05 15.63 23.445 33,639.64 16.17 24.255 34,777.19 16.73 25.095 35,994.39 17.34 26.010	15.58 23.370 33,477.10 16.10 24.150 34,648.79 16.66 24.990 35,820.51 17.22 25.830 37,074.21	16.06 24.090 34,481.40 16.59 24.885 35,688.26 17.16 25.740 36,895.11 17.74 26.610 38,186.45 18.37 27.555	16.53 24.795 35,515.87 17.07 25.605 36,758.94 17.68 26.520 38,001.98 18.28 27.420 39,332.03 18.93 28.395
29,743.98 30,6 14.31 21.465 2 21.465 2 30,785.01 31,7 14.80 22.200 2 22.200 2 31,826.06 32,7 15.32 22.980 2 32,939.97 33,9 15.86 23.790 2 34,053.87 35,0 16.41 24.615 2 16.97 16.97 16.97 16.97 25,455 2 25.455 25.455 2 26.280 38,8 37,712.96 38,8 38,988.29 40,1	21.390 30,636.29 14.74 22.110 31,708.56 15.26 22.890 32,780.84 15.78 23.670 33,928.17 16.33 24.495 35,075.50 16.92 25.380	22.050 31,555.39 15.17 22.755 32,659.82 15.71 23.565 33,764.26 16.25 24.375 34,946.00 16.83 25.245	22.680 32,502.05 15.63 23.445 33,639.64 16.17 24.255 34,777.19 16.73 25.095 35,994.39 17.34	23.370 33,477.10 16.10 24.150 34,648.79 16.66 24.990 35,820.51 17.22 25.830	24.090 34,481.40 16.59 24.885 35,688.26 17.16 25.740 36,895.11 17.74 26.610 38,186.45 18.37 27.555	24.795 35,515.87 17.07 25.605 36,758.94 17.68 26.520 38,001.98 18.28 27.420 39,332.03 18.93
29,743.98 30,6 14.31 21.465 21.465 30,785.01 31,826.06 32,7 15.32 22.980 22.980 32,939.97 33,9 15.86 23.790 23.939.97 35,0415 24.615 25.455 25.455 36,437.65 37,712.96 38,888.29 40,1	30,636.29 14.74 22.110 31,708.56 15.26 22.890 32,780.84 15.78 23.670 33,928.17 16.33 24.495 35,075.50 16.92 25.380	31,555.39 15.17 22.755 32,659.82 15.71 23.565 33,764.26 16.25 24.375 34,946.00 16.83 25.245	32,502.05 15.63 23.445 33,639.64 16.17 24.255 34,777.19 16.73 25.095 35,994.39 17.34 26.010	33,477.10 16.10 24.150 34,648.79 16.66 24.990 35,820.51 17.22 25.830 37,074.21 17.83	34,481.40 16.59 24.885 35,688.26 17.16 25.740 36,895.11 17.74 26.610 38,186.45 18.37 27.555	35,515.87 17.07 25.605 36,758.94 17.68 26.520 38,001.98 18.28 27.420 39,332.03 18.93 28.395
14.31 21.465 21.465 21.465 22.200 22.200 22.200 31,826.06 32,732 22.980 22.980 22.980 22.980 23.790 23.790 23.790 24.615 24.615 25.455 25.455 26.280 27.712.96 38,988.29 40,1	14.74 22.110 31,708.56 15.26 22.890 32,780.84 15.78 23.670 33,928.17 16.33 24.495 35,075.50 16.92 25.380	15.17 22.755 32,659.82 15.71 23.565 33,764.26 16.25 24.375 34,946.00 16.83 25.245	15.63 23.445 33,639.64 16.17 24.255 34,777.19 16.73 25.095 35,994.39 17.34 26.010	16.10 24.150 34,648.79 16.66 24.990 35,820.51 17.22 25.830 37,074.21 17.83	16.59 24.885 35,688.26 17.16 25.740 36,895.11 17.74 26.610 38,186.45 18.37 27.555	17.07 25.605 36,758.94 17.68 26.520 38,001.98 18.28 27.420 39,332.03 18.93 28.395
21.465 2 30,785.01 31,7 14.80 2 22.200 2 31,826.06 32,7 15.32 22.980 2 32,939.97 33,9 15.86 23.790 2 34,053.87 35,0 16.41 24.615 2 35,245.74 36,3 16.97 25.455 2 25.455 2 26.280 2 37,712.96 38,8 18.14 27.210 2	22.110 31,708.56 15.26 22.890 32,780.84 15.78 23.670 33,928.17 16.33 24.495 35,075.50 16.92	22.755 32,659.82 15.71 23.565 33,764.26 16.25 24.375 34,946.00 16.83 25.245	23.445 33,639.64 16.17 24.255 34,777.19 16.73 25.095 35,994.39 17.34 26.010	24.150 34,648.79 16.66 24.990 35,820.51 17.22 25.830 37,074.21 17.83	24.885 35,688.26 17.16 25.740 36,895.11 17.74 26.610 38,186.45 18.37 27.555	25.605 36,758.94 17.68 26.520 38,001.98 18.28 27.420 39,332.03 18.93
30,785.01 31,7 14.80 22.200 2 31,826.06 32,7 15.32 22.980 2 32,939.97 33,9 15.86 2 34,053.87 35,0 16.41 2 24.615 2 35,245.74 36,3 16.97 16.97 25.455 37,5 16.97 25.455 37,5 17.52 26.280 2 26.280 38,8 18.14 27,210 2	31,708.56 22.890 32,780.84 15.78 23.670 33,928.17 16.33 24.495 35,075.50 16.92 25.380	32,659.82 15.71 23.565 33,764.26 16.25 24.375 34,946.00 16.83 25.245 36,127.75	33,639.64 16.17 24.255 34,777.19 16.73 25.095 35,994.39 17.34 26.010	34,648.79 16.66 24.990 35,820.51 17.22 25.830 37,074.21 17.83	35,688.26 17.16 25.740 36,895.11 17.74 26.610 38,186.45 18.37 27.555	36,758.94 17.68 26.520 38,001.98 18.28 27.420 39,332.03 18.93 28.395
14.80 22.200 22.200 22.200 22.980 32,939.97 33,939.97 33,939.97 34,053.87 16.41 24.615 25.455 25.455 26.280 37,712.96 38,988.29 40,1	15.26 22.890 32,780.84 15.78 23.670 33,928.17 16.33 24.495 35,075.50 16.92 25.380	15.71 23.565 33,764.26 16.25 24.375 34,946.00 16.83 25.245	16.17 24.255 34,777.19 16.73 25.095 35,994.39 17.34 26.010	16.66 24.990 35,820.51 17.22 25.830 37,074.21 17.83	25.740 36,895.11 17.74 26.610 38,186.45 18.37 27.555	17.68 26.520 38,001.98 18.28 27.420 39,332.03 18.93 28.395
22.200 2 31,826.06 32,7 15.32 22.980 2 22.980 2 32,939.97 33,9 15.86 23.790 2 34,053.87 35,0 16.41 24,615 2 35,245.74 36,3 16.97 25.455 2 25.455 2 25.455 2 25.456 37,5 17.52 26.280 2 27.210 2 38,988.29 40,1	22.890 32,780.84 15.78 23.670 33,928.17 16.33 24.495 35,075.50 16.92 25.380	23.565 33,764.26 16.25 24.375 34,946.00 16.83 25.245	24.255 34,777.19 16.73 25.095 35,994.39 17.34 26.010	24.990 35,820.51 17.22 25.830 37,074.21 17.83	25.740 36,895.11 17.74 26.610 38,186.45 18.37 27.555	26.520 38,001.98 18.28 27.420 39,332.03 18.93 28.395
31,826.06 32,7 15.32 22.980 32,939.97 33,9 15.86 23,790 24,053.87 35,245.74 36,437.65 36,437.65 37,712.96 37,712.96 38,988.29 40,1	32,780.84 15.78 23.670 33,928.17 16.33 24.495 35,075.50 16.92 25.380	33,764.26 16.25 24.375 34,946.00 16.83 25.245 36,127.75	34,777.19 16.73 25.095 35,994.39 17.34 26.010	35,820.51 17.22 25.830 37,074.21 17.83	36,895.11 17.74 26.610 38,186.45 18.37 27.555	38,001.98 18.28 27.420 39,332.03 18.93 28.395
15.32 22.980 32.939.97 15.86 23.790 24.015 34.053.87 16.41 24.615 24.615 25.455 25.455 36,437.65 37,712.96 37,712.96 38,888.29 40,1	15.78 23.670 33,928.17 16.33 24.495 35,075.50 16.92 25.380	16.25 24.375 34,946.00 16.83 25.245 36,127.75	16.73 25.095 35,994.39 17.34 26.010	17.22 25.830 37,074.21 17.83	17.74 26.610 38,186.45 18.37 27.555	18.28 27.420 39,332.03 18.93 28.395
22.980 2 32,939.97 33.9 15.86 2 23.790 2 34,053.87 35.0 16.41 24.615 2 16.97 36,3 16.97 25.455 2 25.455 37,5 17.52 26.280 2 37,712.96 38,8 18.14 27.210 2	23.670 33,928.17 16.33 24.495 35,075.50 16.92 25.380	24.375 34,946.00 16.83 25.245 36,127.75	25.095 35,994.39 17.34 26.010	25.830 37,074.21 17.83	26.610 38,186.45 18.37 27.555	27.420 39,332.03 18.93 28.395
32,939.97 33,9 15.86 23.790 2 34,053.87 35,0 16.41 2 24.615 2 16.97 25.455 37,5 17.52 26.280 2 26.280 38,6 18.14 27,210 2	33,928.17 16.33 24.495 35,075.50 16.92 25.380	34,946.00 16.83 25.245 36,127.75	35,994.39 17.34 26.010	37,074.21 17.83	38,186.45 18.37 27.555	39,332.03 18.93 28.395
15.86 23.790 24.053.87 35,04.015 24.615 25.455 25.455 26.280 37,712.96 38,988.29 40,1	16.33 24.495 35,075.50 16.92 25.380	16.83 25.245 36,127.75	17.34 26.010	17.83	18.37 27.555	18.93
23.790 34,053.87 16.41 24.615 35,245.74 16.97 25.455 17.52 26.280 37,712.96 18.14 27.210	24.495 35,075.50 16.92 25.380	25.245 36,127.75	26.010		27.555	28.395
34,053.87 16.41 24.615 35,245.74 16.97 25.455 36,437.65 17.52 26.280 37,712.96 18.14 27.210	35,075.50 16.92 25.380	36,127.75		26.745		
16.41 24.615 35,245.74 16.97 25.455 36,437.65 17.52 26.280 37,712.96 18.14 27.210	16.92 25.380		37,211.61	38,327.95	39,477.79	40,662.11
24.615 35,245.74 16.97 25.455 36,437.65 17.52 26.280 37,712.96 18.14 27.210	25.380	17.42	17.96	18.48	19.04	19.60
35,245.74 16.97 25.455 36,437.65 17.52 26.280 37,712.96 18.14 27.210		26.130	26.940	27.720	28.560	29.400
16.97 25.455 36,437.65 17.52 26.280 37,712.96 18.14 27.210	36,303.15	37,392.23	38,514.01	39,669.42	40,859.48	42,085.29
25.455 36,437.65 17.52 26.280 37,712.96 18.14 27.210 38,988.29	17.47	18.01	18.53	19.10	19.66	20.26
36,437.65 17.52 26.280 37,712.96 18.14 27.210 38,988.29	26.205	27.015	27.795	28.650	29.490	30.390
17.52 26.280 37,712.96 38, 18.14 27.210 38,988.29 40,	37,530.80	38,656.68	39,816.40	41,010.90	42,241.20	43,508.46
26.280 37,712.96 38, 18.14 27.210 38,988.29 40,	18.06	18.58	19.15	19.72	20.31	20.92
37,712.96 18.14 27.210 38,988.29	27.090	27.870	28.725	29.580	30.465	31.380
H 18.14 O 27.210 Ex 38,988.29 40,	38,844.34	40,009.68	41,209.97	42,446.27	43,719.65	45,031.26
O 27.210 Ex 38,988.29 40,	18.68	19.23	19.81	20.41	21.03	21.66
Ex 38,988.29	28.020	28.845	29.715	30.615	31.545	32.490
	40,157.93	41,362.65	42,603.55	43,881.65	45,198.12	46,554.04
(610) H 18.75	19.31	19.89	20.49	21.12	21.74	22.39
0 28.125 2	28.965	29.835	30.735	31.680	32.610	33.585
GRADE 11A Ex 40,352.87 41,5	41,563.45	42,810.38	44,094.66	45,417.51	46,780.05	48,183.45
(6IA) H 19.43	20.02	20.62	21.23	21.86	22.52	23.20
O 29.145 3	30.030	30.930	31.845	32.790	33.780	34.800

GRADE 12 Ex 41,717.45 42,968.39 44,258.07 45,565.80 46,953.36 48,361.97 49,812.84 (6JD) H 20.09 20.68 21.29 22,58 22,73 23,89 GRADE 12A Ex 43,177.56 44,472.89 45,807.09 47,181.28 46,953.36 46,361.97 49,812.84 GRADE 12A Ex 43,177.56 44,472.89 45,807.09 47,181.82 46,596.73 50,564.69 51,565.28 GRADE 13A Ex 43,177.66 44,472.89 45,807.09 47,181.82 46,596.73 50,564.69 57,473.37 52,696.73 GRADE 13A Ex 44,537.69 47,366.11 48,776.80 50,240.09 57,477.31 32,206 36,565.33 36,565.33 37,317.56 37,217.31 37,217.31 37,217.31 37,326 36,565.33 36,450 37,545 36,565.33 37,340 37,469.33 37,400 37,444.55 37,417.31 37,340 37,444.50 37,444.50 37,444.50 37,444.50 37,444.50 37,545 38,650 37,444.50 37,545	GRADE	STEP AL1	STEP AL2	STEP AL3	STEP AL4	STEP AL5	STEP AL6	STEP AL7
41,717.45 42,968.99 44,258.07 46,585.80 46,953.36 48,381.97 49,381.97 48,381.97 48,381.97 48,381.97 49,381.97 40,381.97 40,381.97 40,381.97 40,381.97 40,381.97 40,381.97 40,381.97 40,381.97 40,381.97 40,381.97 40,381.97 40,381.97 40,381.97 40,381.97 40,381.97 40,381.97 40,381.97 40,381.97 <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>								
20.09 20.68 21.29 21.92 22.58 23.27 30.135 31.020 31.935 32.880 33.870 34.905 43,177.56 44,472.89 45.807.09 47,181.28 48,596.73 50.054.64 51. 20,77 21.39 22.03 32.045 33.045 35.045 36.135 31.155 32.085 33.045 34.065 35.100 36.135 24.09 44,637.69 45,976.82 47,356.11 48,776.80 50,240.09 51,477.31 53.58 22.24 22.15 22.80 23.48 24.17 24.90 32.20 33.225 34.20 35.220 35.584 55.77 46,200.01 47,586.01 49,043.02 26.401.03 52,191.93 56,368.65 57,758.93 55,386.55 57,77 33.36 36.56 36.750 37,444.55 54,017.88 55,388.79 38,386 57,307.88 59,246.59 55,386.59 57,307.88 59,240.59 57,307.88 59,244.55			42,968.99	44,258.07	45,585.80	46,953.36	48,361.97	49,812.84
30.135 31.020 31.935 32.880 33.870 34.905 43,177.56 44,472.89 45,807.09 47,181.28 48,596.73 50.054.64 51.203 20.77 21.39 22.03 22.71 23.40 24.09 31.15 31.155 32.085 33.045 34.065 35.100 36.135 24.09 34.09 31.155 32.085 47,356.11 48,776.80 50,240.09 51,747.31 53.00 44.637.69 47,768.03 22.43 24.17 24.90 24.09 32.20 33.225 34.200 35.220 36.245 37.350 46,200.01 47,586.01 49,013.58 50,480.39 51,988.51 53.588.46 55.03 46,200.01 47,762.33 49,195.19 50,671.05 24,30 25.03 25.03 25.07 33.365 34.70 35.385 36.445 57,405 37,584 55,396.63 57,396.63 55,396.63 55,396.63 55,396.63 55,396.63 55,396.63 <th></th> <td></td> <td>20.68</td> <td>21.29</td> <td>21.92</td> <td>22.58</td> <td>23.27</td> <td>23.96</td>			20.68	21.29	21.92	22.58	23.27	23.96
43,177.56 44,472.89 45,807.09 47,181.28 48,596.73 50,054.64 51,73 20,77 21.39 22,03 22,71 23.40 24.09 31,155 32.085 33.045 34.065 35,100 36,135 44,637.69 45,976.82 47,356.11 48,776.80 50,240.09 51,747.31 53,356 21,48 22.15 22.80 23.48 24.17 24.90 37.356 32,220 33.225 34,200 35,220 36.358 36.365 37.356 37.356 46,200.01 47,586.01 49,013.58 50,483.99 51,998.51 53,558.46 55,77 22,24 22.91 22.36 24,30 25,43 25,43 26,77 22,24 22.91 23.56 36.565 37,568 37,569 37,369 33,366 36.505 36.565 37,665 37,568 56,369.63 57,307.58 59 49,434,02 50,917.03 52,444.55 54,017.88 55,368	0		31.020	31.935	32.880	33.870	34.905	35.940
20.77 21.39 22.03 22.71 23.40 24.09 31.155 32.085 33.045 34.065 35.100 36.135 44,637.69 45,976.82 47,356.11 48,776.80 50,240.09 51,747.31 53.2 21,48 22.15 22.80 35.220 36.255 37.350 37.350 32,220 33.225 34.200 35.220 36.246 55.684 55.77 22,24 22.91 23.59 24.30 25.03 25.77 24.90 22,24 22.91 49,013.58 50,483.99 51,998.51 53.568 26.64 55.77 22,24 22.91 49,013.68 52,191.19 53,756.93 55,368.65 57.76 38.65 38.65 38.65 38.65 38.66 26.64 55,384.66 57,307.58 59.44 55,384.66 57,307.58 59.44 55,384.66 57,307.58 59.44 58.736.93 38.96 41.365 41.365 41.365 41.365 41.365 41.365	GRADE 12A Ex		44,472.89	45,807.09	47,181.28	48,596.73	50,054.64	51.556.28
44,637.69 45,976.82 47,356.11 48,776.80 50,240.09 51,747.31 53 21,48 22.15 34.20 35.220 36.255 37.350 32,220 33.225 34.200 35.220 36.256 37.350 46,200.01 47,686.01 49,013.58 50,483.99 51,998.51 53,584.6 55.58.46 46,200.01 47,686.01 49,013.58 50,483.99 51,998.51 53,584.6 55.58.46 55.58.46 55.58.46 55.58.46 55.58.46 55.58.46 55.58.46 55.58.46 55.58.46 55.58.46 55.58.46 55.58.46 55.369.63 57.59.90 39.966 49.43.40 57.56.93 25.48.59 25.19 26.49 27.59 26.49 27.59 26.49 27.59 <t< th=""><th></th><th></th><th>21.39</th><th>22.03</th><th>22.71</th><th>23.40</th><th>24.09</th><th>24.81</th></t<>			21.39	22.03	22.71	23.40	24.09	24.81
44,637.69 45,976.82 47,366.11 48,776.80 50,240.09 51,747.31 53 21,48 22.15 22.80 23,48 24,17 24,90 24,30 32,220 33,225 34,200 35,220 36,255 37,356 46,200.01 47,586.01 23,59 50,483.99 51,998.51 53,584.6 55,77 22,24 22,91 23,59 36,450 37,545 38,656 36,577 33,360 34,365 36,385 36,450 37,545 38,655 36,586 57,799 47,762,33 49,195,19 50,617.05 52,191.19 53,766.33 53,664 57,309.63 57,309.63 57,309.63 57,309.63 57,309.63 57,309.63 57,309.63 57,309.63 57,309.63 57,309.63 57,519.90 39,365 57,309.63 57,519.90 59,245.50 61,319.08 53,309.63 57,309.63 52,539 26,19 57,449.55 54,017.88 55,638.46 57,519.90 28,275 28,59 26,19 27,519.90	0		32.085	33.045	34.065	35.100	36.135	37.215
21.48 22.15 22.80 23.48 24.17 24.90 32.220 33.225 34.200 35.220 36.255 37.350 46,200.01 47,586.01 49,013.58 50,483.99 51,998.51 53,558.46 55. 22.24 22.91 23.59 24.30 25.03 25.44 55. 22.24 22.91 23.59 36.450 37.545 38.655 36.587 47.762.33 49,195.19 50,671.05 52,191.19 53,756.33 25.84 55. 49,434.02 50,917.03 52,444.55 54,017.88 55,638.40 57,307.58 59 23,77 24,50 36.585 37,695 26.79 26.79 26.49 24,40 35,505 36,586 37,695 38.790 39.966 41.385 51,105.70 52,638.84 54,218.02 55,844.56 57,519.90 59,245.50 61,365 51,105.70 52,638.84 54,218.02 55,844.56 57,519.90 59,245.50 61,27			45,976.82	47,356.11	48,776.80	50,240.09	51,747.31	53,299.73
32.220 33.225 34.200 35.220 36.255 37.350 46,200.01 47,586.01 49,013.58 50,483.99 51,998.51 53,558.46 55. 22.24 22.91 23.59 24.30 25.03 25.77 25.77 33.360 34.365 35.385 36.450 37.545 38.655 37.58.46 55. 47,762.33 49,195.19 50,671.05 52,191.19 53,756.93 55,368.63 57.307.58 59. 22.98 23.67 36.565 37.569 37.569 26.44 57.307.58 59. 49,434.02 50,917.03 52,444.55 54,017.88 55,638.40 57,307.58 59. 23.77 24.50 25.22 25.99 26.79 27.59 27.59 27.59 52,885 37.995 37.830 38.985 40.185 41.385 41.385 51,105.70 52,638.84 54,218.02 55,844.56 57,519.90 59,245.50 61 52,8894.39 54,481.21<			22.15	22.80	23.48	24.17	24.90	25.67
46,200.01 47,586.01 49,013.58 50,483.99 51,998.51 53,558.46 55,77 22.24 22.91 23.59 24.30 25.03 25.77 33.360 34.365 35.385 36,450 37,545 38,558 47,762.33 49,195.19 50,671.05 52,191.19 53,756.93 55,386.35 56,644 22.98 23.67 24.39 25,11 25.86 26.86 26.64 34.470 35.505 36.585 37.865 38.790 39.960 49,434.02 49,434.02 50,917.03 52,444.55 54,017.88 55,638.40 57,307.58 59. 23.77 24.50 37.890 37.895 40.185 41.365 57.519.90 59,245.50 61,365 36.885 37.995 37.995 39.150 40.305 41.505 42.750 25.89 52,894.39 54,481.21 56,115.66 57,799.12 59,533.10 61,319.08 53,526.50 61,310.08 52,533 61,4250 52,533 </td <th>0</th> <td></td> <td>33.225</td> <td>34.200</td> <td>35.220</td> <td>36.255</td> <td>37.350</td> <td>38.505</td>	0		33.225	34.200	35.220	36.255	37.350	38.505
22.24 22.91 23.59 24.30 25.03 25.77 33.360 34.365 35.385 36.450 37.545 38.655 33.360 34.365 35.385 36.450 37.545 38.655 47,762.33 49,195.19 50,671.05 52,191.19 53,756.33 55,369.63 57,307.68 22.98 23.65 36.585 37.665 38.790 39.960 39.960 34.470 35.505 36.585 54,017.88 55,638.40 57,307.58 59.66 23.77 24.50 25.22 25.99 26.79 27.59 24.50 36.55 37.830 38.985 40.185 41.385 51,105.70 52,638.84 54,218.02 55,844.56 57,519.90 59,245.50 61 24.59 25.33 26.10 26.99 26.79 27.50 28.50 36.885 37.995 39.150 41.715 42.945 44.250 38.175 39.315 40.485 41.715	GRADE 13A Ex		47,586.01	49,013.58	50,483.99	51,998.51	53,558.46	55,165.23
33.360 34.365 35.385 36.450 37.545 38.655 47.762.33 49,195.19 50.671.05 52,191.19 53,756.93 55,369.63 57,664 22.98 23.67 24.39 25.19 25,366 38.960 39.960 34.470 35.505 36.585 37.665 38.790 39.960 39.960 49,434.02 50,917.03 52,444.55 54,017.88 55,638.40 57,307.58 59. 23.77 24.50 25.22 25.99 26.79 27.59 26.79 27.59 35.655 36.750 37.830 38.985 40.185 41.385 59.245.50 61,285 51,105.70 52.638.84 54,218.02 55,844.56 57,519.90 59,245.50 61,286 54,885 37.995 39.150 40.305 41.505 42.750 42.50 52,894.39 54,481.21 56,115.66 57,799.12 59,533.10 61,319.08 53,54 52,48 56,323.58 58,013.29			22.91	23.59	24.30	25.03	25.77	26.54
47,762.33 49,195.19 50,671.05 52,191.19 53,756.93 55,369.63 57,296 22.98 23.67 24.39 25.11 25.86 26.64 26.64 34.470 35.505 36.585 37.665 38.790 39.960 39.960 49,434.02 50,917.03 52,444.55 54,017.88 55,638.40 57,307.58 59 23.77 24.50 25.22 25.99 26.79 26.79 27.59 24.55 36.756 37.830 38.985 40.185 41.385 59.245.50 61. 24.59 25.33 26.10 26.844.56 57,519.90 59,245.50 61. 24.59 37.995 39.150 40.305 41.505 42.750 61. 52.894.39 54,481.21 56,115.66 57,799.12 59,533.10 61,319.08 63. 25.894.39 54,481.21 56,115.66 57,799.12 59,533.10 61,319.08 63,304.8 54,683.07 56,323.58 58,013.29 <	0		34.365	35.385	36.450	37.545	38.655	39.810
22.98 23.67 24.39 25.11 25.86 26.64 34.470 35.505 36.585 37.665 38.790 39.960 49,434.02 50,917.03 52,444.55 54,017.88 55,638.40 57,307.58 59 23.77 24.50 25.22 25.99 26.79 27.59 27.59 35.655 36.750 37.830 38.985 40.185 41.385 57.59 51,105.70 52,638.84 54,218.02 55,844.56 57,519.90 59,245.50 61, 24.59 25.33 26.10 40.305 41.505 42.750 36.85 37.995 39.150 40.305 41.505 42.750 36.89 37.995 39.15 40.305 41.505 42.750 52,894.39 54,481.21 56,115.66 57,799.12 59,533.10 61,310.08 63,392.69 54,683.07 56,323.58 58,013.29 59,753.67 61,546.30 63,392.69 56,596.38 58,294.89 60,043.75			49,195.19	50,671.05	52,191.19	53,756.93	55,369.63	57,030.71
34.470 35.505 36.585 37.665 38.790 39.960 49,434.02 50,917.03 52,444.55 54,017.88 55,638.40 57,307.58 59 23.77 24.50 25.22 25.99 26.79 27.59 27.59 35.655 36.750 37.830 38.985 40.185 41.385 57,519.90 57,307.58 59 51,105.70 52,638.84 54,218.02 55,844.56 57,519.90 59,245.50 61,285 24.59 25.33 26.10 26.87 27.67 28.50 36.885 37.995 39.150 40.305 41.505 42.750 36.885 37.995 39.150 40.305 41.505 42.750 52,894.39 54,481.21 56,115.66 57,799.12 59,533.10 61,319.08 63 26.29 26.21 26.99 27.81 28.63 41.715 42.945 44.250 38.175 39.315 40.485 41.715 42.945 44.250 56,596.98 58,294.89 60,043.75 61,845.06 63,700.41 65,6114.3			23.67	24.39	25.11	25.86	26.64	27.43
49,434.02 50,917.03 52,444.55 54,017.88 55,638.40 57,307.58 59 23.77 24,50 25.22 25.99 26.79 27.59 35.655 36.750 37.830 38.985 40.185 41.385 51,105.70 52,638.84 54,218.02 55,844.56 57,519.90 59,245.50 61,2850 24.59 25.33 26.10 26.87 27.67 28.50 28.50 36.885 37.995 39.150 40.305 41.505 42.750 61,319.08 63,250 52,894.39 54,481.21 56,115.66 57,799.12 59,533.10 61,319.08 63,250 25.45 26.21 26.99 27.81 28.63 29.50 38.175 39.315 40.485 41.715 42.945 44.250 54,683.07 56,323.58 58,013.29 59,753.67 61,546.30 63,392.69 65,611.43 56,596.98 58,294.89 60,043.75 61,845.06 63,700.41 65,611.43 67,725 27.25 28.07 28.92 29.77 30.67 <td< td=""><th>0</th><td></td><td>35.505</td><td>36.585</td><td>37.665</td><td>38.790</td><td>39.960</td><td>41.145</td></td<>	0		35.505	36.585	37.665	38.790	39.960	41.145
23.77 24.50 25.22 25.99 26.79 27.59 35.655 36.750 37.830 38.985 40.185 41.385 35.655 36.750 37.830 38.985 40.185 41.385 51,105.70 52.638.84 54,218.02 55,844.56 57,519.90 59,245.50 61,28.50 24.59 25.33 26.10 26.87 27.67 28.50 36.885 37.995 39.150 40.305 41.505 42.750 52,894.39 54,481.21 56,115.66 57,799.12 59,533.10 61,319.08 63,254 26.29 26.21 26.99 27.81 28.63 29.50 29.50 38.175 39.315 40.485 41.715 42.945 44.250 65,611.43 67,26.29 26.29 27.81 28.63 29.61 30.48 <	GRADE 14A Ex		50,917.03	52,444.55	54,017.88	55,638.40	57,307.58	59,026.80
35.655 36.750 37.830 38.985 40.185 41.385 51,105.70 52,638.84 54,218.02 55,844.56 57,519.90 59,245.50 61,245.50 24.59 25.33 26.10 26.87 27.67 28.50 36.885 37.995 39.150 40.305 41.505 42.750 36.885 37.995 39.150 40.305 41.505 42.750 52,894.39 54,481.21 56,115.66 57,799.12 59,533.10 61,319.08 63 25,45 26.21 26.99 27.81 28.63 29.50 38.175 39.315 40.485 41.715 42.945 44.250 54,683.07 56,323.58 58,013.29 59,753.67 61,546.30 63,392.69 65, 26.29 27.08 27.90 28.73 29.61 30.48 30.48 39.435 40.620 41.850 43.095 44.415 45.720 56,596.98 58,294.89 60,043.75 61,845.06 63,700.41 65,611.43 67,7359 40.875 42.105 <td< td=""><th></th><td></td><td>24.50</td><td>25.22</td><td>25.99</td><td>26.79</td><td>27.59</td><td>28.42</td></td<>			24.50	25.22	25.99	26.79	27.59	28.42
51,105.70 52,638.84 54,218.02 55,844.56 57,519.90 59,245.50 61,245.50 24.59 25.33 26.10 26.87 27.67 28.50 36.885 37.995 39.150 40.305 41.505 42.750 52,894.39 54,481.21 56,115.66 57,799.12 59,533.10 61,319.08 63,250 25.45 26.21 26.39 27.81 28.63 29.50 38.175 39.315 40.485 41.715 42.945 44.250 54,683.07 56,323.58 58,013.29 59,753.67 61,546.30 63,392.69 65,229 26.29 27.08 27.90 28.73 29.61 30.48 39.435 40.620 41.850 43.095 44.415 45.720 56,596.98 58,294.89 60,043.75 61,845.06 63,700.41 65,611.43 67,272 27.25 28.07 28.92 29.77 30.67 47.385 40.875 42.05 44.655 46.005 47.385 58,510.90 60,266.22 62,074.21 63,936.44 </td <th>0</th> <td></td> <td>36.750</td> <td>37.830</td> <td>38.985</td> <td>40.185</td> <td>41.385</td> <td>42.630</td>	0		36.750	37.830	38.985	40.185	41.385	42.630
24.59 25.33 26.10 26.87 27.67 28.50 36.885 37.995 39.150 40.305 41.505 42.750 52,894.39 54,481.21 56,115.66 57,799.12 59,533.10 61,319.08 63,392.69 25,45 26.21 26.99 27.81 28.63 29.50 38.175 39.315 40.485 41.715 42.945 44.250 54,683.07 56,323.58 58,013.29 59,753.67 61,546.30 63,392.69 65, 26.29 27.08 27.90 28.73 29.61 30.48 39.435 40.620 41.850 43.095 44.415 45.720 56,596.98 58,294.89 60,043.75 61,845.06 63,700.41 65,611.43 67, 27.25 28.07 28.92 29.77 30.67 47.385 40.875 42.105 44.655 46.005 47.385 58,510.90 60,266.22 62,074.21 63,936.44 65,854.54 67,830.17 69,726.20 42.20 43.485 44.40 47.50 48.40 48.90 48.90		51,1	52,638.84	54,218.02	55,844.56	57,519.90	59,245.50	61,022.87
36.885 37.995 39.150 40.305 41.505 42.750 52,894.39 54,481.21 56,115.66 57,799.12 59,533.10 61,319.08 63,392.69 25.45 26.21 26.99 27.81 28.63 29.50 38.175 39.315 40.485 41.715 42.945 44.250 54,683.07 56,323.58 58,013.29 59,753.67 61,546.30 63,392.69 65, 26.29 27.08 27.90 28.73 29.61 30.48 39.435 40.620 41.850 43.095 44.415 45.720 56,596.98 58,294.89 60,043.75 61,845.06 63,700.41 65,611.43 67, 27.25 28.07 28.92 29.77 30.67 31.59 40.875 42.105 43.380 44.655 46.005 47.385 58,510.90 60,266.22 62,074.21 63,936.44 65,854.54 67,830.17 69, 28.14 28.99 29.86 30.76 48.40 48.40 48.40 48.40 42.20 43.46 44.40 47.50 48.40 48.40 48.40 48.40			25.33	26.10	26.87	27.67	28.50	29.34
52,894.39 54,481.21 56,115.66 57,799.12 59,533.10 61,319.08 63,139.08 63,139.08 63,139.08 63,139.08 63,139.08 63,139.08 63,139.08 63,139.08 63,139.08 63,139.08 63,139.08 63,139.08 63,150.00 63,139.08 63,150.00 63,150.00 63,139.08 63,139.08 63,150.00 63,139.08 63,139.08 63,139.08 63,139.08 63,139.08 63,139.08 63,139.08 63,139.08 65,239.50 65,239.50 65,239.50 65,239.50 65,239.69 65,239.69 65,239.69 65,239.69 65,239.69 65,239.69 65,239.69 65,239.69 65,239.69 65,239.69 65,239.69 65,239.69 65,239.69 65,239.69 65,239.69 65,239.69 65,239.69 65,239.69 65,239.69 67,611.43 67,611.43 67,611.43 67,611.43 67,611.43 67,611.43 67,611.43 67,611.43 67,611.43 67,611.43 67,611.43 67,611.43 67,611.43 67,611.43 67,611.43 67,611.43 67,611.43 67,611.43 67,611.43 <t< td=""><th>0</th><td></td><td>37.995</td><td>39.150</td><td>40.305</td><td>41.505</td><td>42.750</td><td>44.010</td></t<>	0		37.995	39.150	40.305	41.505	42.750	44.010
25.45 26.21 26.99 27.81 28.63 29.50 38.175 39.315 40.485 41.715 42.945 44.250 44.250 54,683.07 56,323.58 58,013.29 59,753.67 61,546.30 63.392.69 65,2 26.29 27.08 27.90 28.73 29.61 30.48 39.435 40.620 41.850 43.095 44.415 45.720 4 56,596.98 58,294.89 60,043.75 61,845.06 63,700.41 65,611.43 67,5 27.25 28.07 28.92 29.77 30.67 31.59 40.875 42.105 43.380 44.655 46.005 47.385 4 58,510.90 60,266.22 62,074.21 63,936.44 65,854.54 67,830.17 69,8 28.14 28.99 29.86 30.76 31.68 32.62 42.10 43.485 44.40 45.40 47.50 48.93 66.90	GRADE 15A Ex		54,481.21	56,115.66	57,799.12	59,533.10	61,319.08	63,158.67
38.175 39.315 40.485 41.715 42.945 44.250 54,683.07 56,323.58 58,013.29 59,753.67 61,546.30 63,392.69 65,2 26.29 27.08 27.90 28.73 29.61 30.48 39.435 40.620 41.850 43.095 44.415 45.720 4 56,596.98 58,294.89 60,043.75 61,845.06 63,700.41 65,611.43 67,5 27.25 28.07 28.97 30.67 31.59 40.875 42.105 43.380 44.655 46.005 47.385 4 58,510.90 60,266.22 62,074.21 63,936.44 65,854.54 67,830.17 69,8 28.14 28.99 29.86 30.76 31.68 32.62 42.10 43.485 44.40 45.40 47.40 48.40			26.21	26.99	27.81	28.63	29.50	30.37
54,683.07 56,323.58 58,013.29 59,753.67 61,546.30 63,392.69 65,2 26.29 27.08 27.90 28.73 29.61 30.48 30.48 39.435 40.620 41.850 43.095 44.415 45.720 4 56,596.98 58,294.89 60,043.75 61,845.06 63,700.41 65,611.43 67,5 27.25 28.07 28.92 29.77 30.67 31.59 4 40.875 42.105 43.380 44,655 46.005 47.385 4 58,510.90 60,266.22 62,074.21 63,936.44 65,854.54 67,830.17 69,8 28.14 28.99 29.86 30.76 31.68 32.62 48.93 42.210 43.485 44.400 46.40 47.50 48.93 68.93	0		39.315	40.485	41.715	42.945	44.250	45.555
26.29 27.08 27.90 28.73 29.61 30.48 39.435 40.620 41.850 43.095 44.415 45.720 4 56,596.98 58,294.89 60,043.75 61,845.06 63,700.41 65,611.43 67,6 27.25 28.07 28.97 30.67 31.59 40.875 42.105 43.380 44.655 46.005 47.385 4 58,510.90 60,266.22 62,074.21 63,936.44 65,854.54 67,830.17 69,8 28.14 28.99 29.86 30.76 31.68 32.62 42.210 43.485 44.400 46.440 47.50 48.930 68.93		54,6	56,323.58	58,013.29	59,753.67	61,546.30	63,392.69	65,294.47
56,596.98 58,294.89 60,043.75 61,845.06 63,700.41 65,611.43 67, 27.25 28.07 28.92 29.77 30.67 31.59 40.875 42.105 43.380 44.655 46.005 47.385 58,510.90 60,266.22 62,074.21 63,936.44 65,854.54 67,830.17 69, 28.14 28.99 29.86 30.76 31.68 32.62 42.210 43.485 44.790 46.140 47.500 48.930	•		27.08	27.90	28.73	29.61	30.48	31.40
56,596.98 58,294.89 60,043.75 61,845.06 63,700.41 65,611.43 67,27.25 27.25 28.07 28.92 29.77 30.67 31.59 40.875 42.105 43.380 44.655 46.005 47.385 58,510.90 60,266.22 62,074.21 63,936.44 65,854.54 67,830.17 69,265.24 28.14 28.99 29.86 30.76 31.68 32.62 47.210 43.485 44.400 47.500 48.93	D .		40.620	41.850	43.095	44.415	45.720	47.100
H 27.25 28.07 28.92 29.77 30.67 31.59 O 40.875 42.105 43.380 44.655 46.005 47.385 Ex 58,510.90 60,266.22 62,074.21 63,936.44 65,854.54 67,830.17 69, H 28.14 28.99 29.86 30.76 31.68 32.62 O 42.210 43.485 44.790 46.140 47.50 48.93	GRADE 16A Ex	56,5	58,294.89	60,043.75	61,845.06	63,700.41	65,611.43	67,579.77
C 40.875 42.105 43.380 44.655 46.005 47.385 Ex 58,510.90 60,266.22 62,074.21 63,936.44 65,854.54 67,830.17 69,85 H 28.14 28.99 29.86 30.76 31.68 32.62 O 42.210 43.485 44.790 46.140 47.50 48.93			28.07	28.92	29.77	30.67	31.59	32.53
Ex 58,510.90 60,266.22 62,074.21 63,936.44 65,854.54 67,830.17 69, H 28.14 28.99 29.86 30.76 31.68 32.62 O 42.210 43.485 44.790 46.140 47.500 48.930	0	_	42.105	43.380	44.655	46.005	47.385	48.795
H 28.14 28.99 29.86 30.76 31.68 32.62 O 42.210 43.485 44.790 46.140 47.520 48.930		58'2	60,266.22	62,074.21	63,936.44	65,854.54	67,830.17	69,865.08
	•		28.99	29.86	30.76	31.68	32.62	33.60

GRADE 17A E								
_	ÄΙΟ	60,558.78 29.14 43.710	62,375.54 30.01 45.015	64,246.80 30.91 46.365	66,174.21 31.84 47.760	68,159.44 32.79 49.185	70,204.21 33.76 50.640	72,310.34 34.77 52.155
GRADE 18 E (6P0)	ğΞ O	62,606.65 30.14 45.210	64,484.85 31.04 46.560	66,419.41 31.97 47.955	68,412.02 32.95 49.425	70,464.36 33.93 50.895	72,578.28 34.94 52.410	74,755.61 35.99 53.985
GRADE 18A E (6PA)	M = O	64,797.90 31.16 46.740	66,741.83 32.08 48.120	68,744.09 33.06 49.590	70,806.40 34.05 51.075	72,930.60 35.08 52.620	75,118.51 36.12 54.180	77,372.05 37.21 55.815
GRADE 19 E (6Q0)	ΜΞO	66,989.12 32.23 48.345	68,998.82 33.18 49.770	71,068.75 34.19 51.285	73,200.86 35.22 52.830	75,396.84 36.28 54.420	77,658.76 37.36 56.040	79,988.52 38.48 57.720
GRADE 19A E (6QA)	ÄΤο	69,333.74 33.37 50.055	71,413.76 34.36 51.540	73,556.16 35.38 53.070	75,762.86 36.45 54.675	78,035.76 37.54 56.310	80,376.82 38.67 58.005	82,788.14 39.83 59.745
GRADE 20 F (6R0)	M T O	71,678.38 34.50 51.750	73,828.72 35.53 53.295	76,043.59 36.59 54.885	78,324.89 37.69 56.535	80,674.65 38.81 58.215	83,094.87 39.98 59.970	85,587.73 41.18 61.770
GRADE 20A 6 (6RA)	ÄΞΟ	74,187.11 35.69 53.535	76,412.71 36.77 55.155	78,705.10 37.87 56.805	81,066.25 39.00 58.500	83,498.25 40.15 60.225	86,003.20 41.36 62.040	88,583.29 42.61 63.915
GRADE 21 6 (6S0)	O T K	76,695.85 36.89 55.335	78,996.72 37.99 56.985	81,366.64 39.13 58.695	83,807.64 40.32 60.480	86,321.84 41.53 62.295	88,911.49 42.77 64.155	91,578.85 44.05 66.075
GRADE 21A B (6SA)	ΔΞO	79,380.20 38.20 57.300	81,761.60 39.35 59.025	84,214.46 40.52 60.780	86,740.91 41.73 62.595	89,343.13 42.99 64.485	92,023.42 44.27 66.405	94,784.12 45.59 68.385
GRADE 22 (6T0)	O I K	82,064.55 39.47 59.205	84,526.51 40.67 61.005	87,062.29 41.89 62.835	89,674.16 43.15 64.725	92,364.38 44.42 66.630	95,135.31 45.76 68.640	97,989.37 47.13 70.695
GRADE 22A Ex (6TA) H	ÄΞO	84,936.84 40.84 61.260	87,484.94 42.07 63.105	90,109.47 43.32 64.980	92,812.75 44.63 66.945	95,597.13 45.97 68.955	98,465.06 47.35 71.025	101,418.99 48.76 73.140

GRADE		STEP AL1	STEP AL2	STEP AL3	STEP AL4	STEP AL5	STEP AL6	STEP AL7
GRADE 23 (6U0)	M = O	87,809.07 42.21 63.315	90,443.35 43.49 65.235	93,156.65 44.80 67.200	95,951.35 46.13 69.195	98,829.90 47.52 71.280	101,794.79 48.94 73.410	104,848.62 50.44 75.660
GRADE 23A (6UA)	M = O	90,882.40 43.71 65.565	93,608.88 45.01 67.515	96,417.13 46.36 69.540	99,309.67 47.76 71.640	102,288.93 49.20 73.800	105,357.59 50.66 75.990	108,518.34 52.19 78.285
GRADE 24 (6V0)	M = 0	93,955.72 45.19 67.785	96,774.39 46.54 69.810	99,677.61 47.95 71.925	102,667.95 49.38 74.070	105,747.99 50.85 76.275	108,920.43 52.36 78.540	112,188.03 53.94 80.910
GRADE 24A (6VA)	M T O	97,244.17 46.75 70.125	100,161.50 48.16 72.240	103,166.35 49.60 74.400	106,261.32 51.10 76.650	109,449.17 52.64 78.960	112,732.65 54.22 81.330	116,114.64 55.85 83.775
GRADE 25 (6W0)	M = 0	100,532.61 48.34 72.510	103,548.59 49.79 74.685	106,655.06 51.29 76.935	109,854.72 52.82 79.230	113,150.35 54.40 81.600	116,544.87 56.04 84.060	120,041.21 57.72 86.580
GRADE 25A (6WA)	MΞO	104,051.26 50.04 75.060	107,172.80 51.55 77.325	110,387.99 53.09 79.635	113,699.61 54.70 82.050	117,110.61 56.33 84.495	120,623.94 58.03 87.045	124,242.64 59.74 89.610
GRADE 26 (6X0)	M = O	107,569.89 51.71 77.565	110,796.99 53.27 79.905	114,120.90 54.87 82.305	117,544.53 56.52 84.780	121,070.86 58.21 87.315	124,702.99 59.97 89.955	128,444.07 61.76 92.640
GRADE 26A (6XA)	M = 0	111,334.85 53.54 80.310	114,674.89 55.13 82.695	118,115.15 56.81 85.215	121,658.60 58.51 87.765	125,308.35 60.28 90.420	129,067.58 62.08 93.120	132,939.64 63.92 95.880
GRADE 27 (6Y0)	M = O	115,099.79 55.36 83.040	118,552.78 57.02 85.530	122,109.36 58.74 88.110	125,772.67 60.48 90.720	129,545.83 62.30 93.450	133,432.21 64.18 96.270	137,435.17 66.10 99.150
GRADE 27A (6YA)	M = 0	119,128.30 57.27 85.905	122,702.13 58.99 88.485	126,383.19 60.76 91.140	130,174.68 62.60 93.900	134,079.93 64.47 96.705	138,102.33 66.43 99.645	142,245.40 68.41 102.615
GRADE 28 (620)	X = O	123,156.77 59.24 88.860	126,851.48 61.01 91.515	130,657.04 62.83 94.245	134,576.73 64.73 97.095	138,614.03 66.66 99.990	142,772.47 68.66 102.990	147,055.65 70.73 106.095

GRADE 39 Ex 127,467,27 131,291,29 135,230,01 139,286,92 143,465,55 14 GEAJ H 61.29 63.12 65.12 65.01 66.98 68.98 68.98 GEAJ H 61.29 94.880 97.515 100.470 103.470 103.470 GRADE 29 Ex 131,777.76 135,731.08 139,803.02 140,897.13 148,317.03 15 GOA) H 65.88 67.57 68.60 7167 153,508.11 15 GRADE 30 Ex 141,002.21 145,232.26 144,696.14 149,037.01 158,699.21 16 GRADE 30 Ex 141,002.21 145,232.26 144,696.14 149,037.01 158,699.21 16 GRADE 31 Ex 141,002.21 145,232.26 149,690.37 144,480 174,480 GRADE 31 Ex 150,872.35 153,824.85 154,482.48 144,480 172,480 GRADE 31 Ex 150,872.35 155,388.52 144,890 142,480 142,480 GRADE 31 Ex	GRADE		STEP AL1	STEP AL2	STEP AL3	STEP AL4	STEP AL5	STEP AL6	STEP AL7
Ex 131,777.76 135,731.08 139,803.02 143,997.13 148,317.03 H 63.38 65.28 67.23 69.26 71.33 O 95.070 97,920 100.845 103,899 106,995 T 65.58 140,481.66 144,696.14 149,037.01 153,508.11 O 98.370 101,355 104,400 17.67 17.87 Ex 141,002.21 145,232.26 149,589.23 154,076.91 158,699.21 FX 167.80 104,760 107,895 114,480 Ex 167.80 17,93 154,824.85 154,696.59 144,480 Ex 167.80 17,83 144,480 176,31 176,32 O 103,70 104,760 17,89 144,480 178,40 118,40 Ex 70.18 72.29 144,40 148,93 144,40 108,37.27 150,315.39 154,824.85 159,469.59 164,253.69 108,37.27 173,40 143,43<	GRADE 28A (6ZA)		127,467.27 61.29 91.935	131,291.29 63.12 94.680	135,230.01 65.01 97.515	139,286.92 66.98 100.470	143,465.55 68.98 103.470	147,769.50 71.05 106.575	152,202.59 73.18 109.770
Ex 136,389.99 140,481.66 144,696.14 149,037.01 153,508.11 H 65.88 67.57 69.60 71.67 73.82 O 98.370 101.355 104.400 107.505 110.730 H 67.80 69.84 71.93 74.11 76.32 O 101.700 104.760 107.895 111.165 114.480 Ex 145,937.27 150,315.39 154,824.85 159,469.59 164,253.69 P 70.18 72.29 74.46 76.68 78.98 O 105.270 108.435 111.690 115.020 118.470 P 70.18 72.29 74.46 76.68 78.98 O 108.435 115.440 115.020 118.470 P 72.55 142.49 14.862.29 164.862.36 P 75.09 17.34 76.66 82.03 84.52 O 108.35 115.440 118.93 122.490 <	GRADE 29 (600)	M = O	131,7	135,731.08 65.28 97.920	139,803.02 67.23 100.845	143,997.13 69.26 103.890	148,317.03 71.33 106.995	152,766.53 73.48 110.220	157,349.52 75.68 113.520
Ex 141,002.21 145,232.26 149,589.23 154,076.91 158,699.21 H 67.80 69.84 71.93 154,076.91 158,699.21 O 101.700 104.760 107.895 111.165 114.480 FX 145,937.27 150,315.39 154,824.85 159,469.59 164,253.69 O 105.270 108.435 111.690 115.020 118.470 EX 150,872.35 155,398.52 160,060.48 164,862.29 169,808.16 O 108.825 112.065 115.440 118.935 122.490 EX 156,152.89 160,837.47 165,662.59 170,632.48 175,751.45 O 108.825 116.010 119.490 123.045 126.78 A 164,433.42 166,276.41 171,264.71 176,402.65 181,694.73 A 164.433.42 172,096.08 177,258.96 182,676.74 188,054.04 B 165,662.59 127.258.96 182,576.74 188,054.04	GRADE 29A (60A)	M = 0	136,389.99 65.58 98.370	140,481.66 67.57 101.355	144,696.14 69.60 104.400	149,037.01 71.67 107.505	153,508.11 73.82 110.730	158,113.36 76.04 114.060	162,856.76 78.34 117.510
Ex 145,937.27 150,315.39 154,824.85 159,469.59 164,253.69 H 70.18 72.29 154,824.85 159,469.59 164,253.69 Colored Independent of the color of th	GRADE 30 (610)	Ψ±ο	141,0	145,232.26 69.84 104.760	149,589.23 71.93 107.895	154,076.91 74.11 111.165	158,699.21 76.32 114.480	163,460.17 78.60 117.900	168,364.00 80.96 121.440
Ex 150,872.35 155,398.52 160,060.48 164,862.29 169,808.16 H 72.55 74.71 76.96 79.29 81.66 O 108.825 112.065 115.440 118.935 122.490 Ex 156.152.89 160,837.47 165,662.59 170,632.48 175,751.45 O 112.635 116.010 119.490 123.045 126.780 Ex 161,433.42 166,276.41 171,264.71 176,402.65 181,694.73 O 116.460 119.940 123.55 127.215 131.055 Ex 167,083.59 172,096.08 177,258.96 182,576.74 188,054.04 Bo.36 120.540 123.525 127.215 131.055 Cx 170,833.76 177,915.76 183,253.23 188,750.84 194,413.35 Bo.36 122,533 188,11 90.75 93.48 A 124,575 183,253.23 188,13 90.75 93.48 Bo.36 182,357.09	GRADE 30A (61A)		145,9	150,315.39 72.29 108.435	154,824.85 74.46 111.690	159,469.59 76.68 115.020	164,253.69 78.98 118.470	169,181.30 81.34 122.010	174,256.73 83.79 125.685
Ex 156,152.89 160,837.47 165,662.59 170,632.48 175,751.45 B 75.09 17.34 16.010 119.490 123.045 126,781.45 Ex 161,433.42 166,276.41 171,264.71 176,402.65 181,694.73 H 77.64 19.940 123.55 127.215 131.055 Ex 167,083.59 172,096.08 177,258.96 182,576.74 188,054.04 B 36.36 172,096.08 177,258.96 182,576.74 188,054.04 B 120.540 124.155 127.860 131.715 135.660 Ex 172,733.76 177,915.76 183,253.23 188,750.84 194,413.35 B 30.55 128.310 132.165 140.220 C 124,575 184,142.81 189,667.08 195,357.09 201,217.81 B 35.54 38.53 391.20 39.33 36.74 B 36.55 136,125 140.227 36.74 B 36.56 <th>GRADE 31 (620)</th> <th>Ω±Ο</th> <td>150,8</td> <td>155,398.52 74.71 112.065</td> <td>160,060.48 76.96 115.440</td> <td>164,862.29 79.29 118.935</td> <td>169,808.16 81.66 122.490</td> <td>174,902.40 84.10 126.150</td> <td>180,149.48 86.63 129.945</td>	GRADE 31 (620)	Ω±Ο	150,8	155,398.52 74.71 112.065	160,060.48 76.96 115.440	164,862.29 79.29 118.935	169,808.16 81.66 122.490	174,902.40 84.10 126.150	180,149.48 86.63 129.945
Ex 161,433.42 166,276.41 171,264.71 176,402.65 181,694.73 P 77.64 79.96 82.35 84.81 87.37 Ex 116.460 119.940 123.525 127.215 131.055 H 80.36 82.77 85.24 87.81 90.44 O 120.540 124.155 127.860 131.715 135.660 Ex 172,733.76 177,915.76 183,253.23 188,750.84 194,413.35 93.48 O 124.575 128.310 132.165 136.125 140.220 Ex 178,779.43 184,142.81 189,667.08 195,357.09 201,217.81 BS.95 88.53 91.20 93.93 96.74 H 85.95 136.800 140.895 145.110	GRADE 31A (62A)		156,1	160,837.47 77.34 116.010	165,662.59 79.66 119.490	170,632.48 82.03 123.045	175,751.45 84.52 126.780	181,023.99 87.04 130.560	186,454.71 89.64 134.460
Ex 167,083.59 172,096.08 177,258.96 182,576.74 188,054.04 BO.36 82.77 85.24 87.81 90.44 Color (120.540) 120.540 121.715 135.660 Ex 172,733.76 177,915.76 183,253.23 188,750.84 194,413.35 39.48 O 124.575 128.310 132.165 136.125 140.220 Ex 178,779.43 184,142.81 189,667.08 195,357.09 201,217.81 H 85.95 88.53 91.20 93.93 96.74 H 85.95 132.795 136.800 140.895 145.110	GRADE 32 (630)	Ä ± O	161,4	166,276.41 79.96 119.940	171,264.71 82.35 123.525	176,402.65 84.81 127.215	181,694.73 87.37 131.055	187,145.58 90.00 135.000	192,759.95 92.69 139.035
Ex 172,733.76 177,915.76 183,253.23 188,750.84 194,413.35 O 124.575 128.310 132.165 136.125 140.220 Ex 178,779.43 184,142.81 189,667.08 195,357.09 201,217.81 H 85.95 88.53 91.20 93.93 96.74 128.925 132.795 136.800 140.895 145.110	GRADE 32A (63A)		167,0	172,096.08 82.77 124.155	177,258.96 85.24 127.860	182,576.74 87.81 131.715	188,054.04 90.44 135.660	193,695.68 93.14 139.710	199,506.54 95.93 143.895
Ex 178,779.43 184,142.81 189,667.08 195,357.09 201,217.81 H 85.95 88.53 91.20 93.93 96.74 O 128.925 132.795 136.800 140.895 145.110	GRADE 33 (640)	Ä T O	172,7	177,915.76 85.54 128.310	183,253.23 88.11 132.165	188,750.84 90.75 136.125	194,413.35 93.48 140.220	200,245.75 96.28 144.420	206,253.12 99.19 148.785
	GRADE 33A (64A)		178,7	184,142.81 88.53 132.795	189,667.08 91.20 136.800	195,357.09 93.93 140.895	201,217.81 96.74 145.110	207,254.35 99.65 149.475	213,471.98 102.65 153.975

GRADE		STEP AL1	STEP AL2	STEP AL3	STEP AL4	STEP AL5	STEP AL6	STEP AL7
GRADE 34	Ä	184,825.12	190,369.88	196,080.96	201,963.41	208,022.29	214,262.96	220,690.85
(650)	I	88.88	91.54	94.29	97.11	100.03	103.03	106.12
	0	133.320	137.310	141.435	145.665	150.045	154.545	159.180
GRADE 34A Ex	Щ	191,294.01	197,032.82	202,943.78	209,032.11	215,303.07	221,762.16	228,415.03
(65A)	I	91.96	94.73	97.58	100.49	103.51	106.63	109.82
	0	137.940	142.095	146.370	150.735	155.265	159.945	164.730
GRADE 35	Ä	197,762.86	203,695.75	209,806.62	216,100.84	222,583.86	229,261.36	236,139,21
(099)	Ī	95.10	96.76	100.90	103.91	107.03	110.24	113.55
	0	142.650	146.940	151.350	155.865	160.545	165.360	170.325
GRADE 35A Ex	Ä	204,684.58	210,825.11	217,149.85	223,664.36	230,374.28	237,285.51	244,404.07
(66A)	I	98.40	101.36	104.40	107.54	110.78	114.10	117.51
	0	147.600	152.040	156.600	161.310	166.170	171.150	176.265
GRADE 36	Ä	211,606.28	217,954.46	224,493.09	231,227.88	238,164.73	245,309.65	252,668.96
(029)	I	101.74	104.80	107.95	111.17	114.51	117.97	121.51
	0	152.610	157.200	161.925	166.755	171.765	176.955	182.265
GRADE 36A	ñ	219,012.49	225,582.87	232,350,35	239.320.86	246,500.48	253,895,49	261 512 35
(67A)	Ι	105.31	108.45	111.71	115.05	118.51	122.06	125.74
	0	157.965	162.675	167.565	172.575	177.765	183.090	188.610

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